

5802294

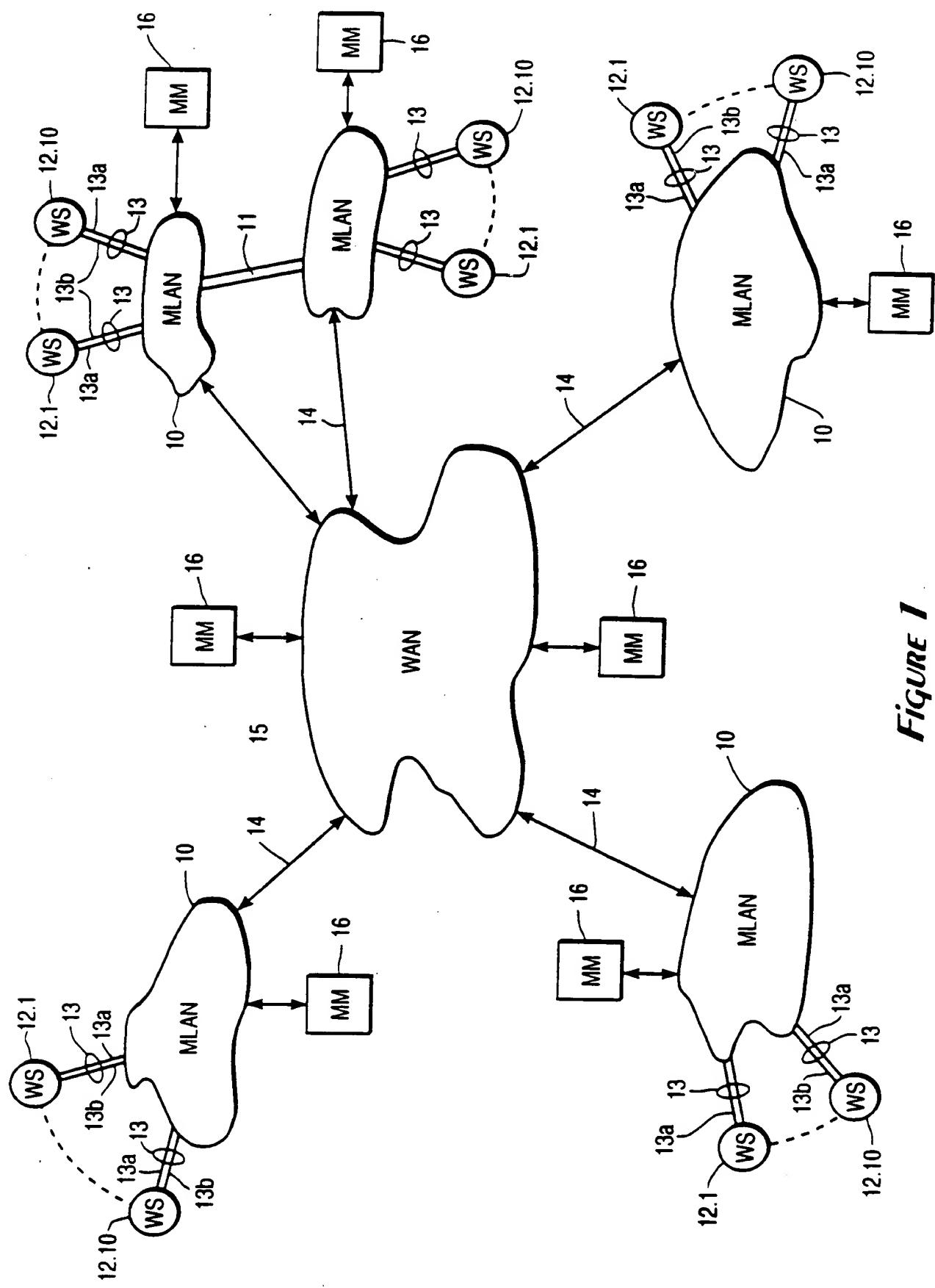


Figure 1

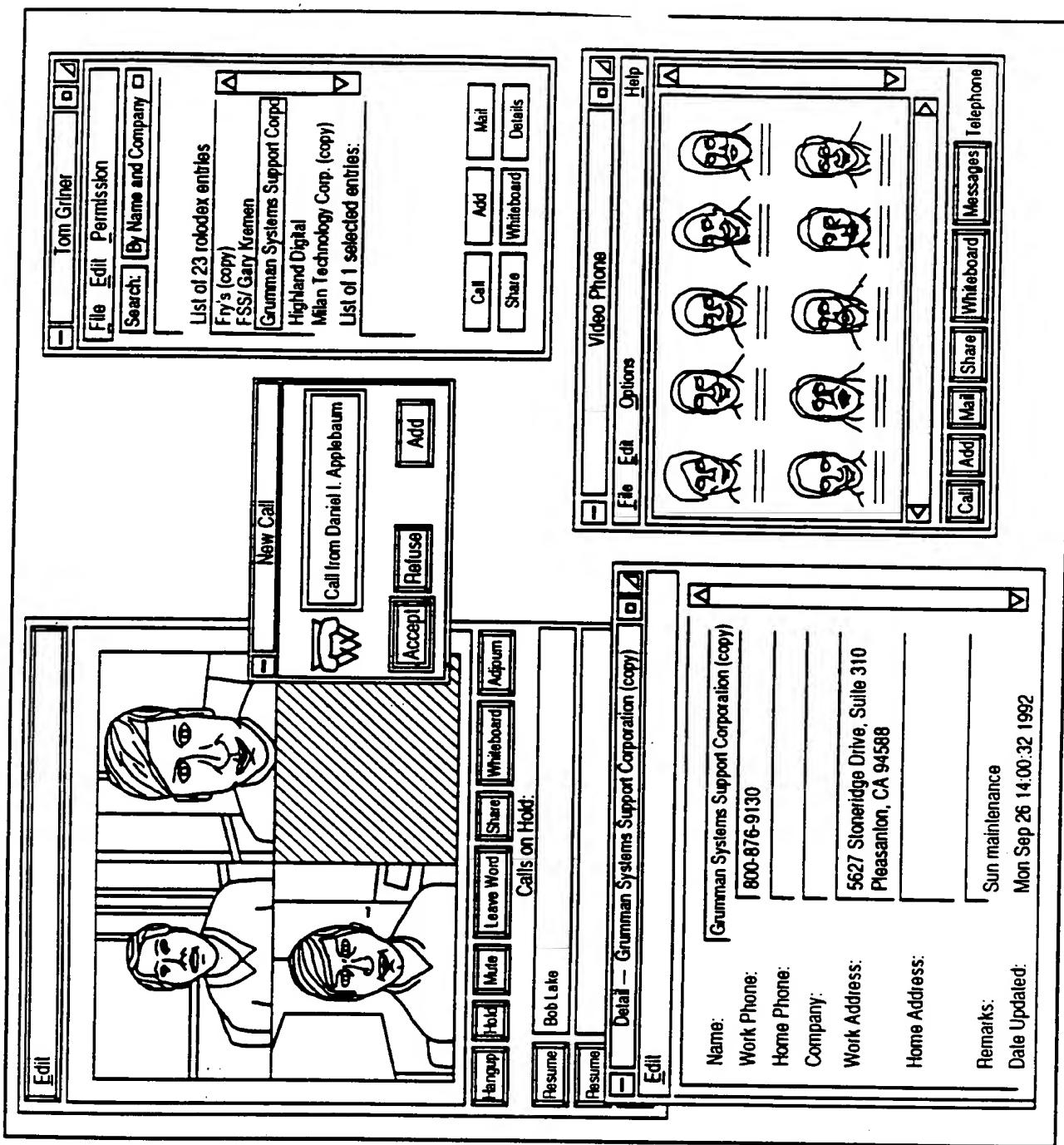


Figure 2A

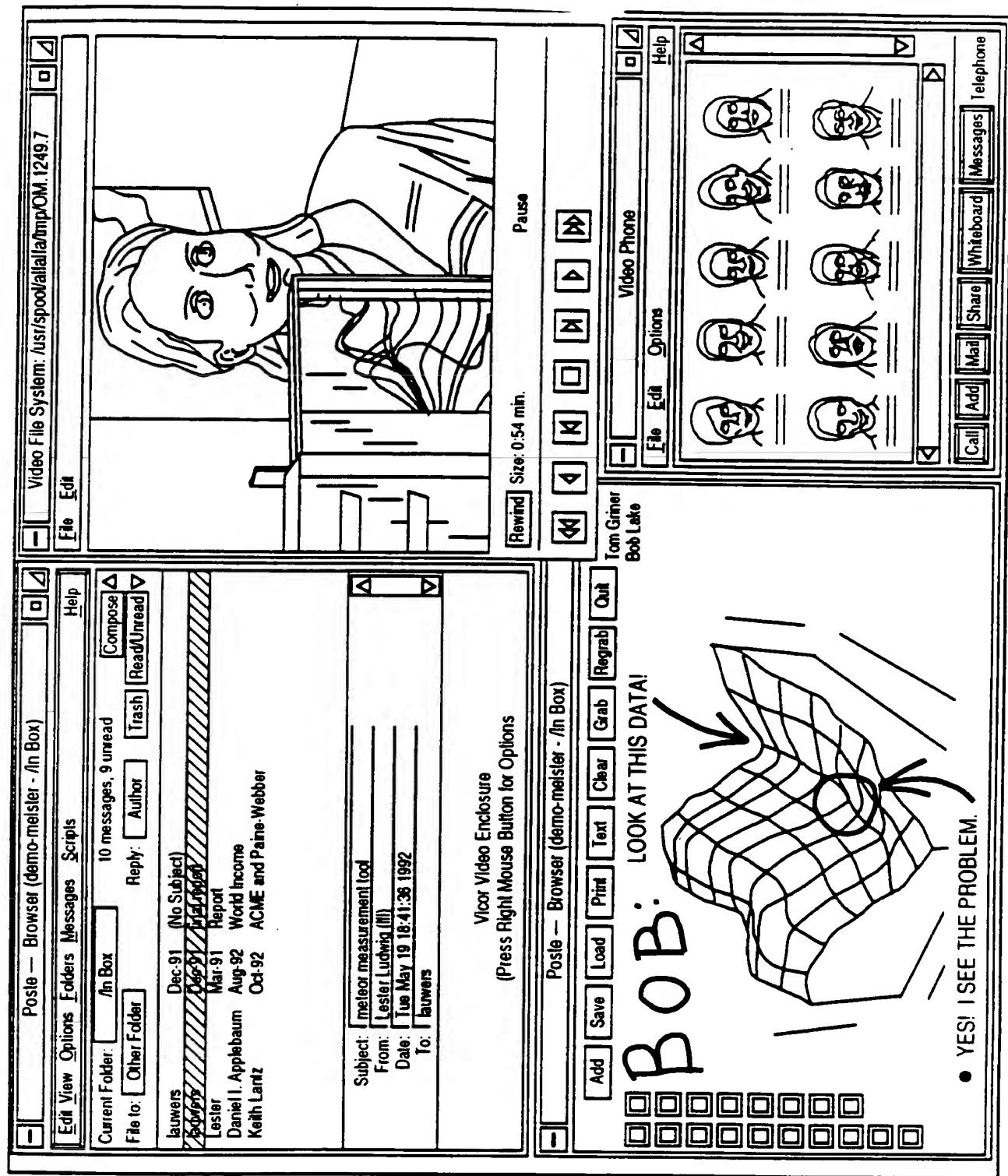


Figure 2B

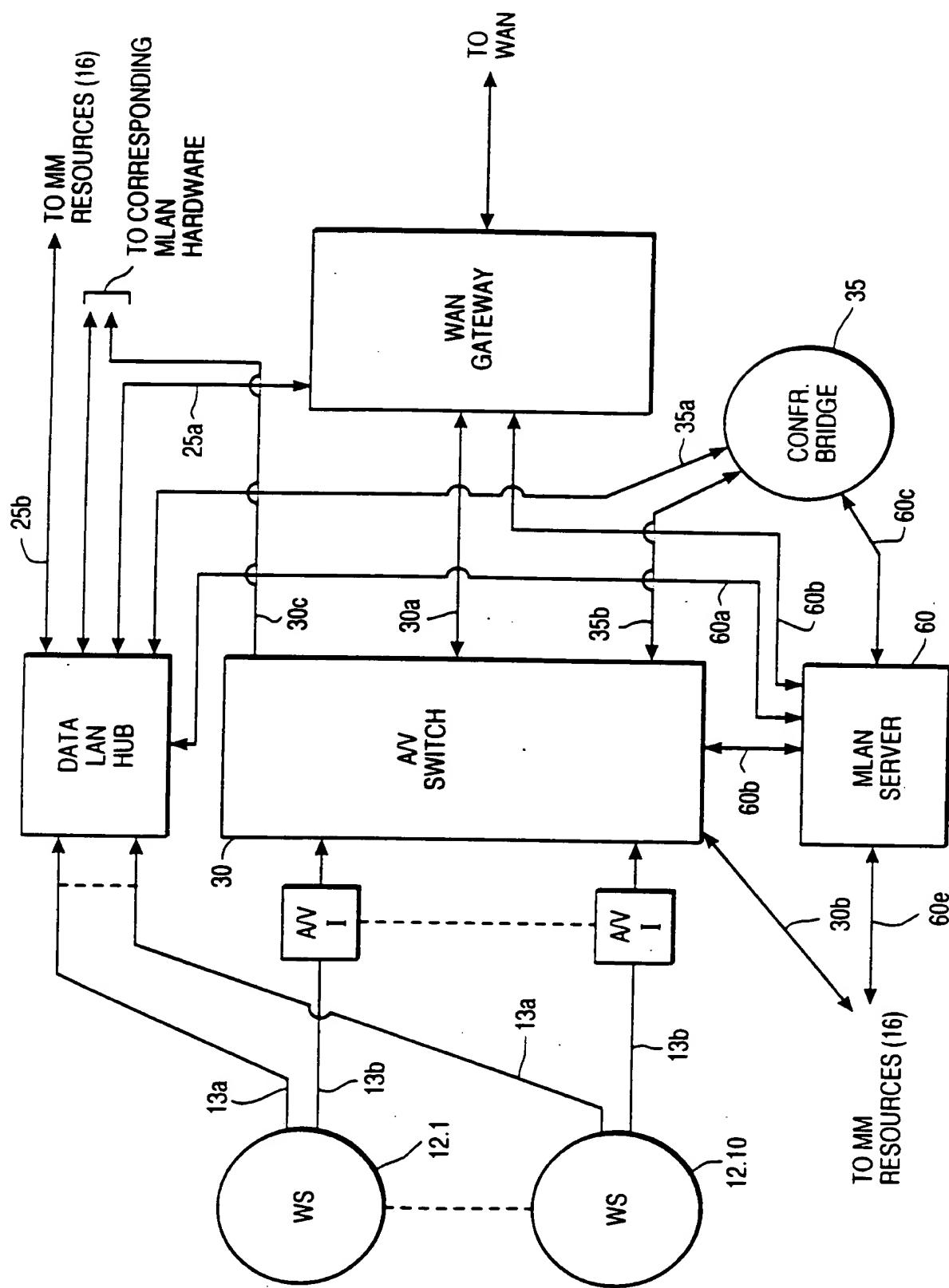
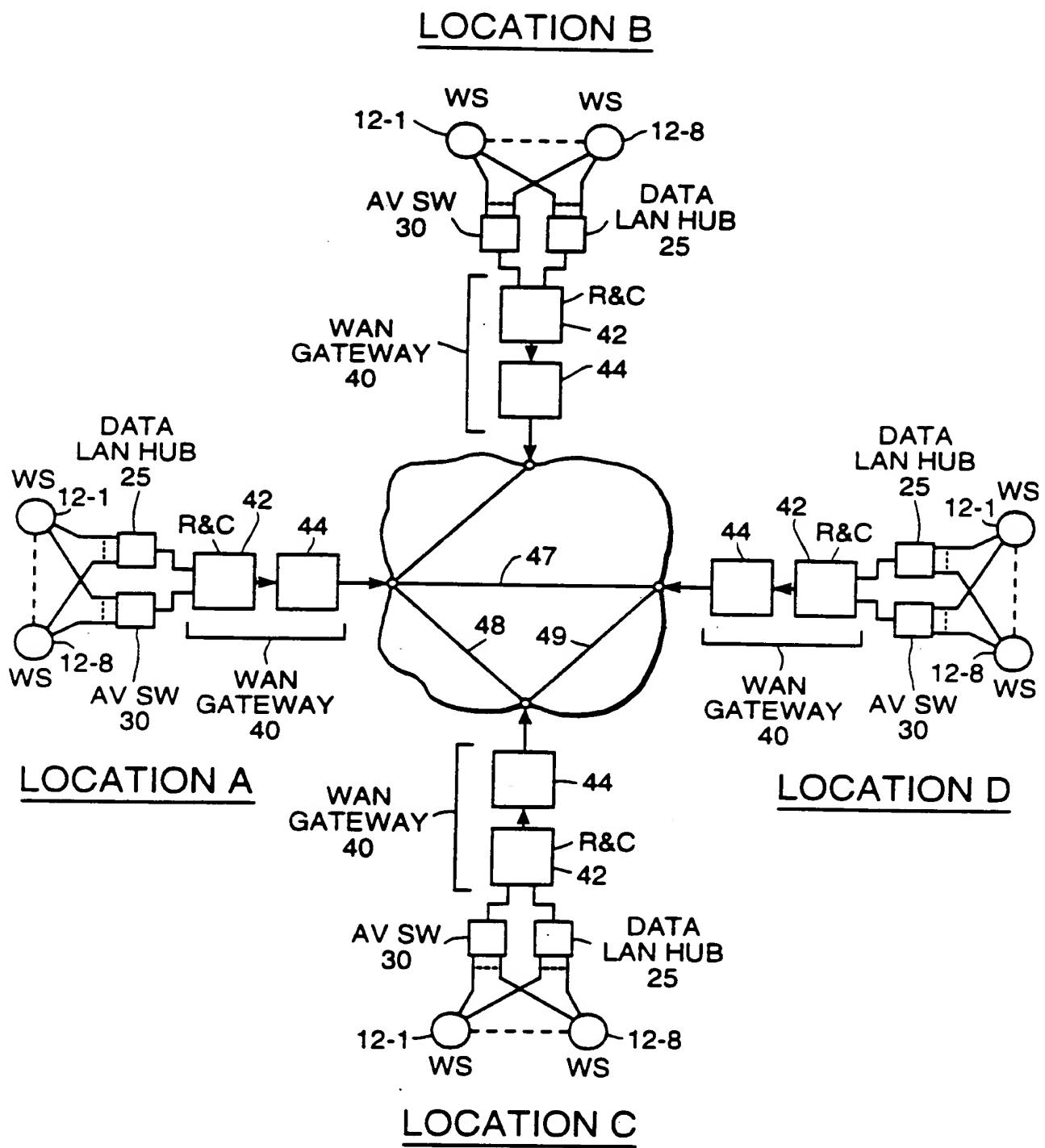


Figure 3



*FIGURE 4*

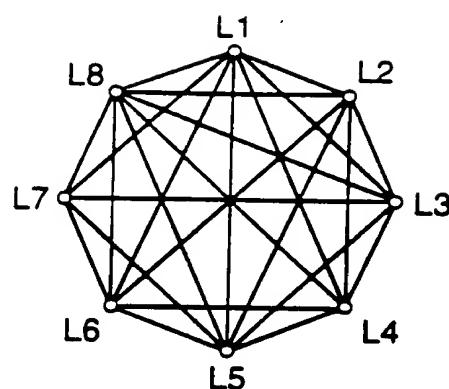


FIGURE 5

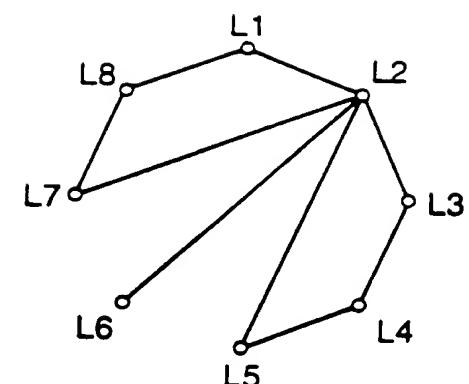
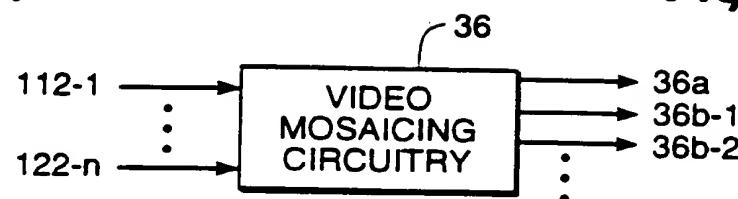


FIGURE 6



### FIGURE 7

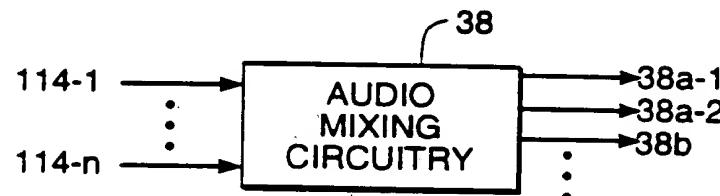
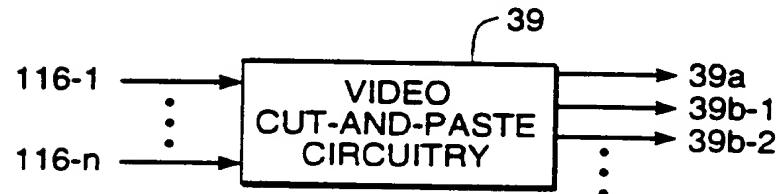


FIGURE 9



### FIGURE 10

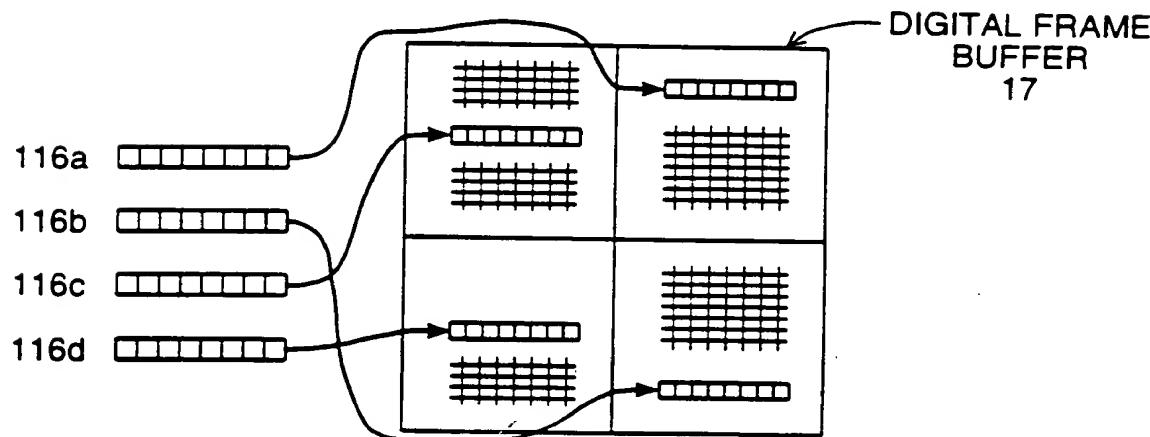
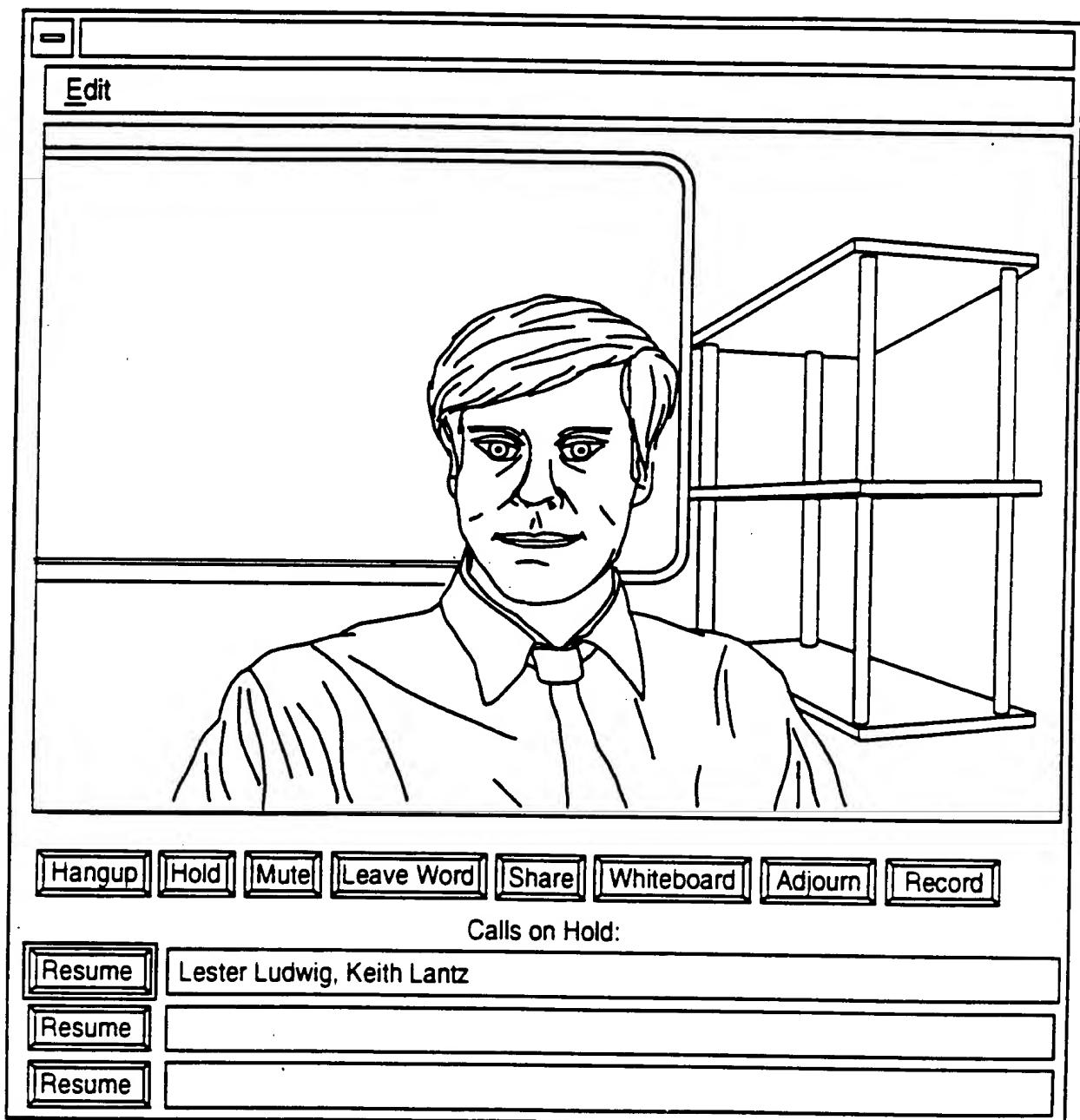
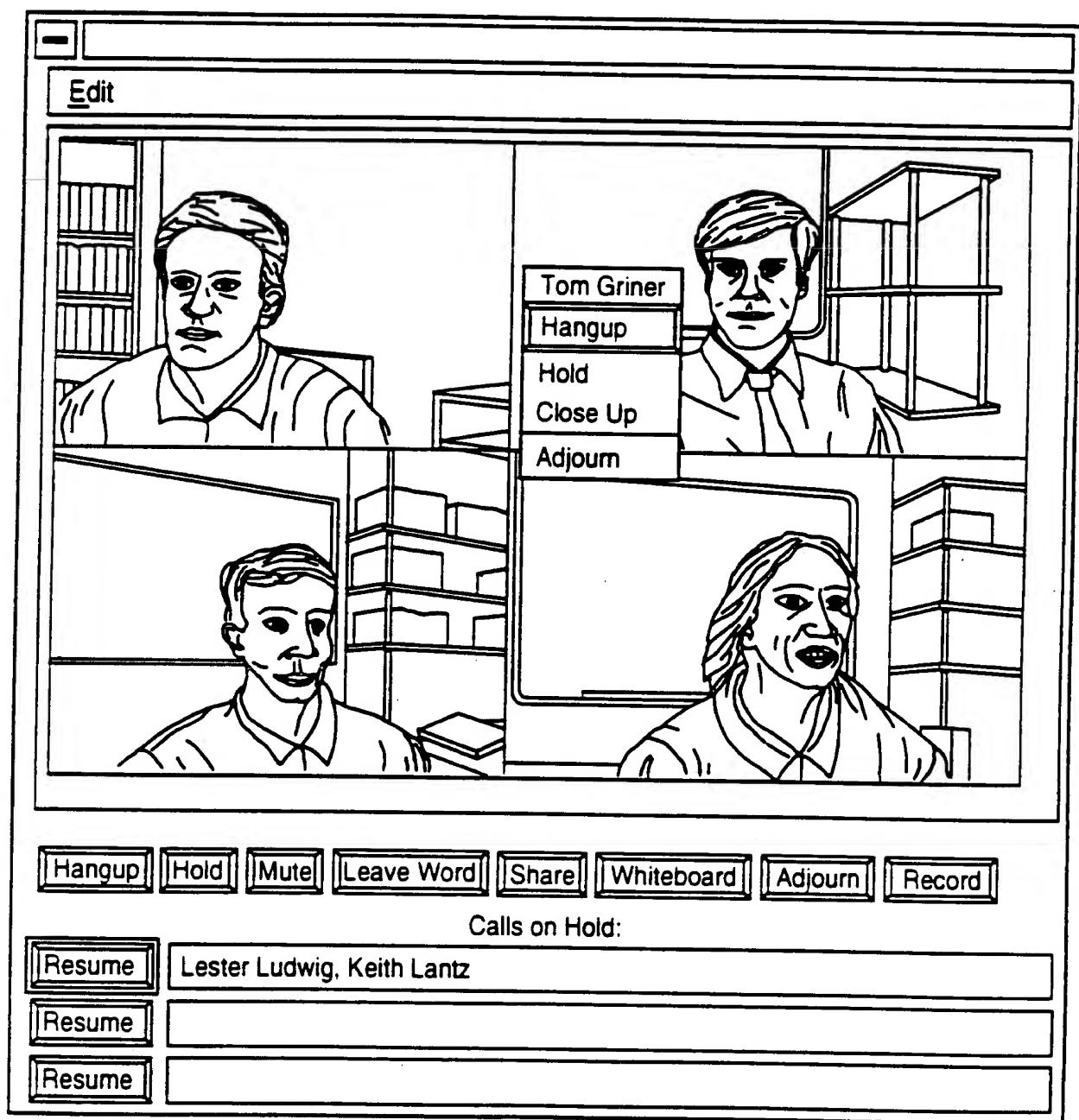


FIGURE 11



*FIGURE 8A*



### FIGURE 8B

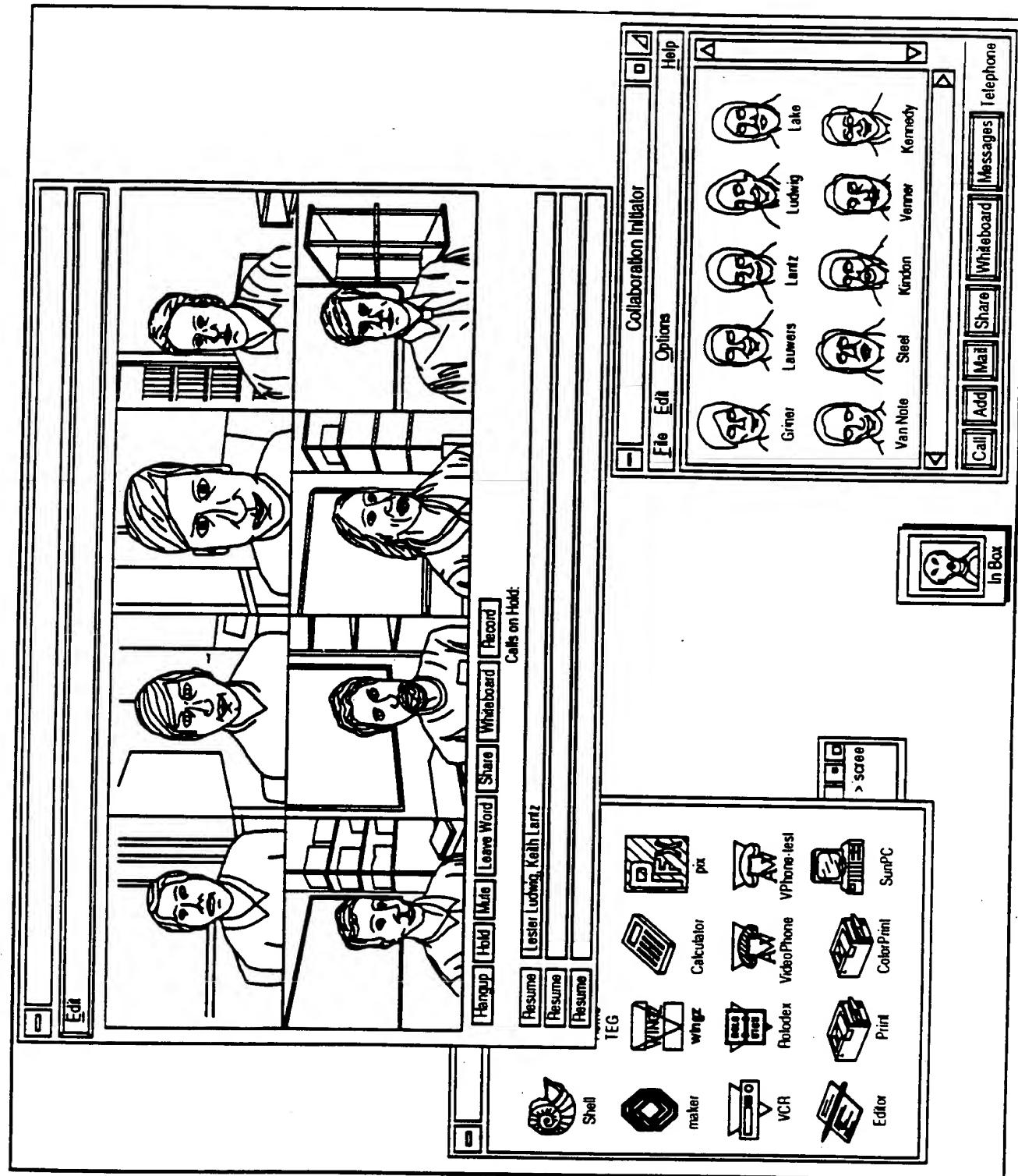


Figure 8C

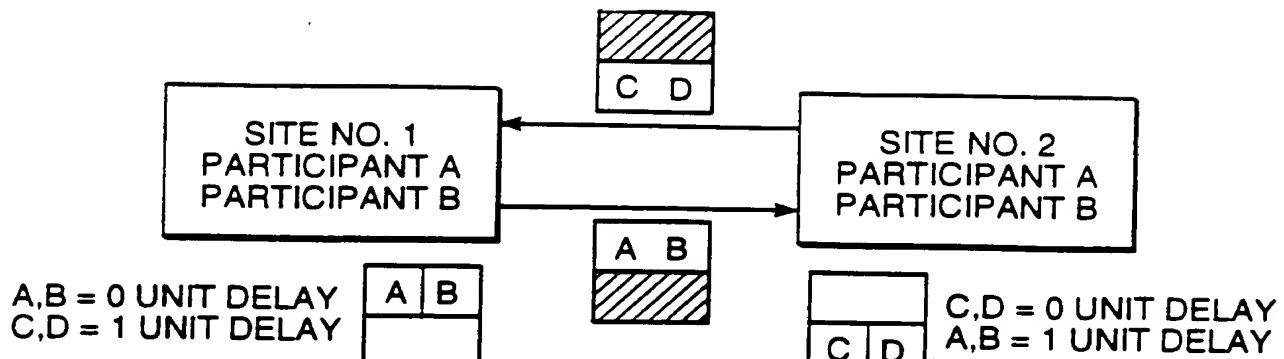


FIGURE 12A

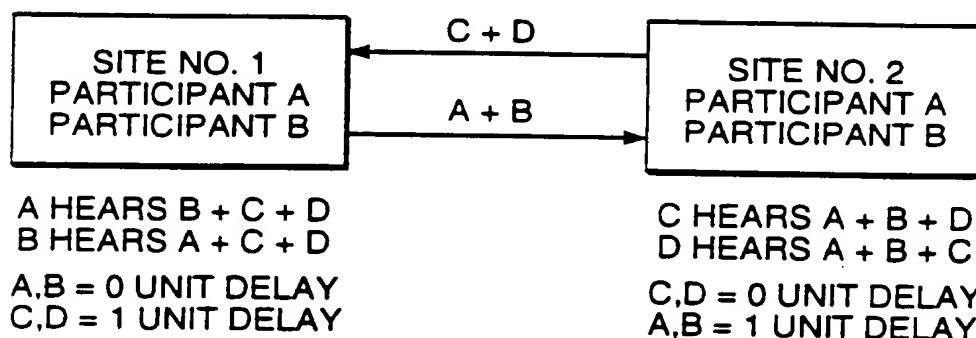


FIGURE 12B

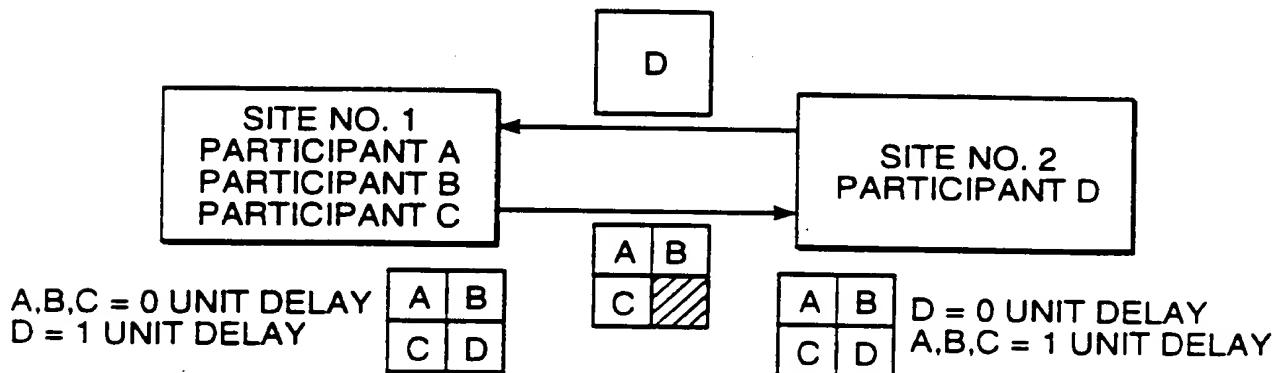


FIGURE 13A

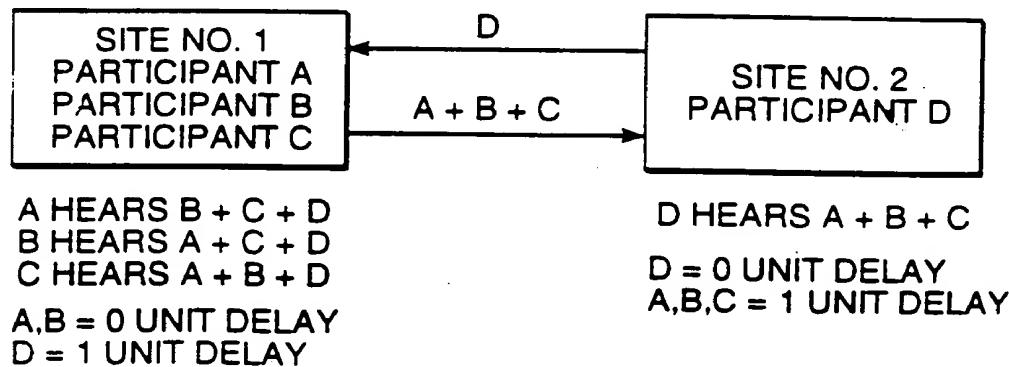
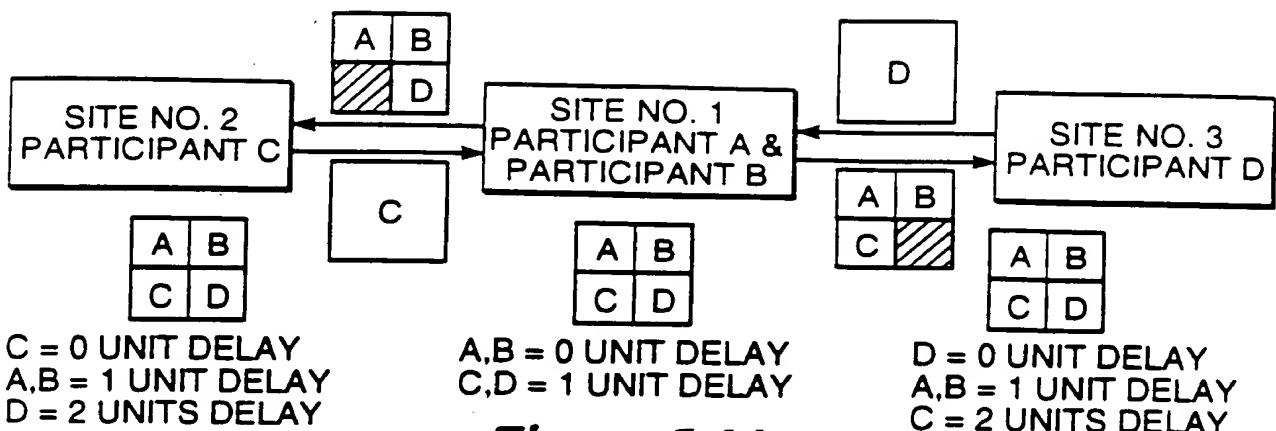
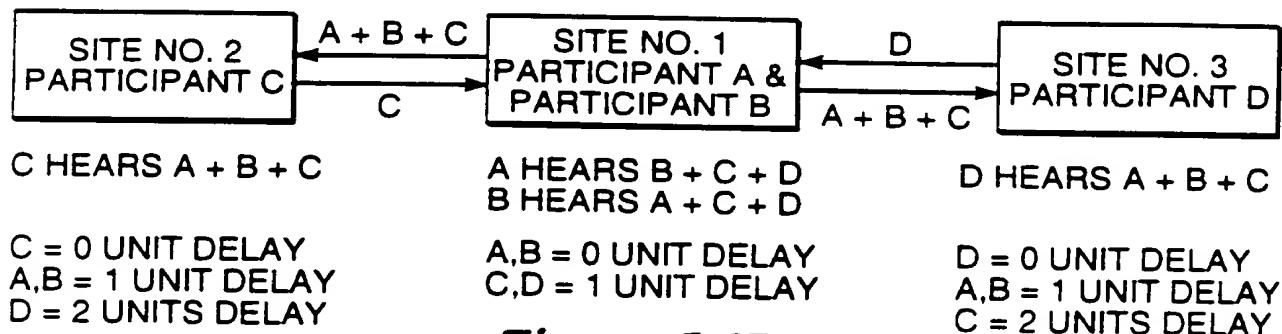


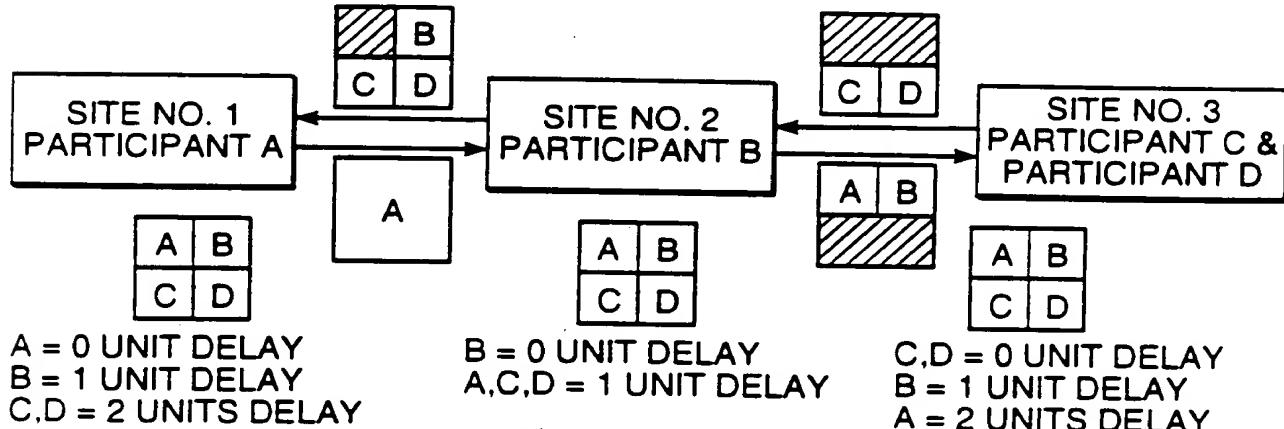
FIGURE 13B



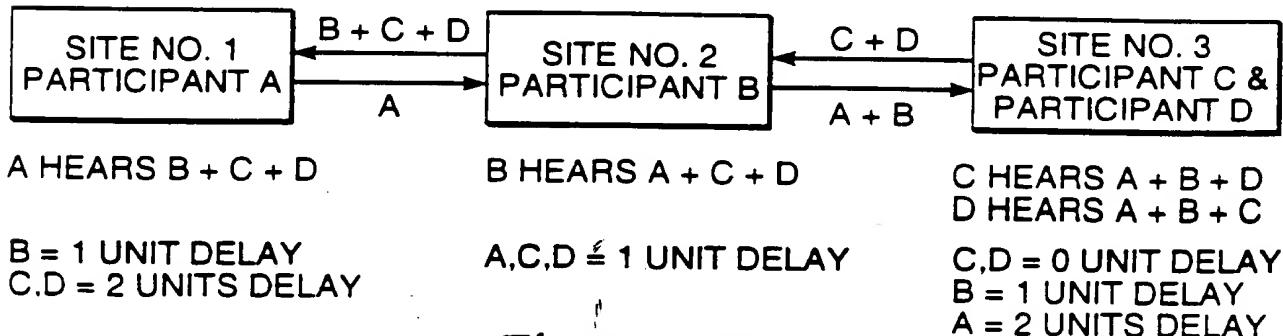
**FIGURE 14A**



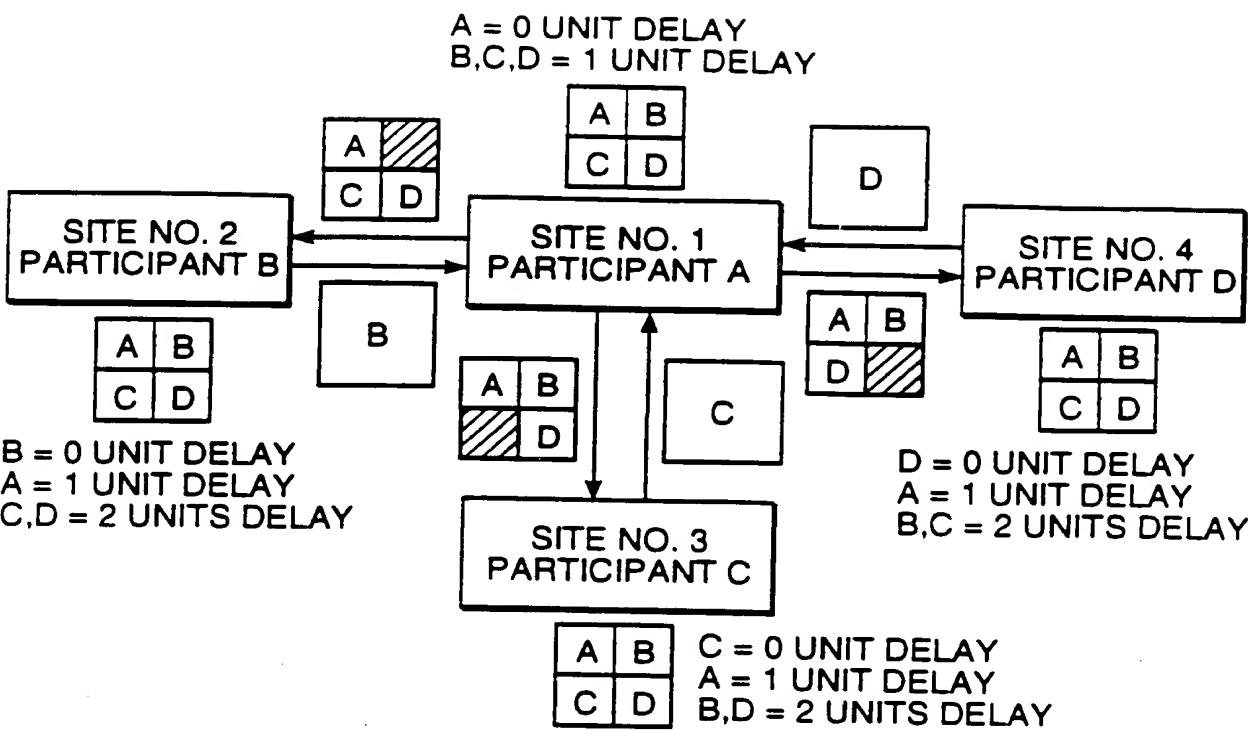
**FIGURE 14B**



**FIGURE 15A**



**FIGURE 15B**

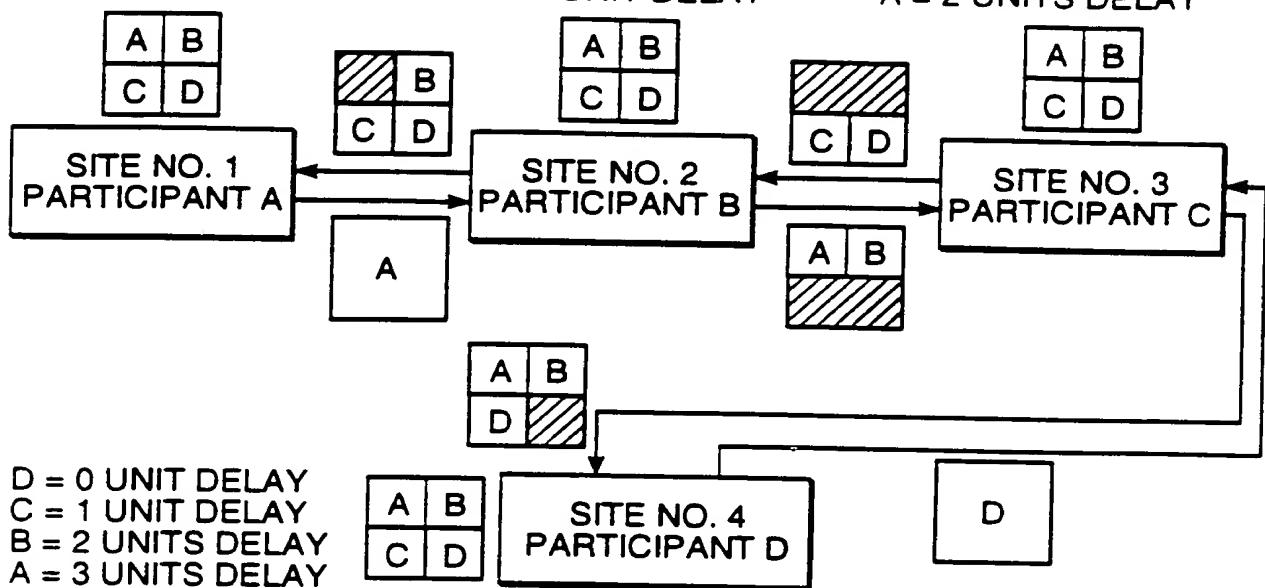


*FIGURE 16*

A = 0 UNIT DELAY  
 B = 1 UNIT DELAY  
 C = 2 UNITS DELAY  
 D = 3 UNITS DELAY

B = 0 UNIT DELAY  
 A,C = 1 UNIT DELAY  
 D = 2 UNIT DELAY

C = 0 UNIT DELAY  
 B,D = 1 UNIT DELAY  
 A = 2 UNITS DELAY

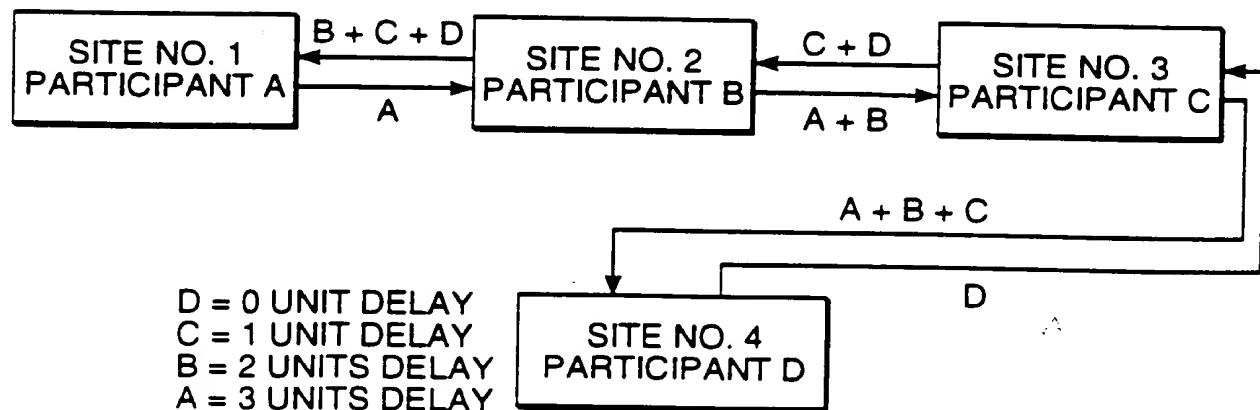


*FIGURE 17A*

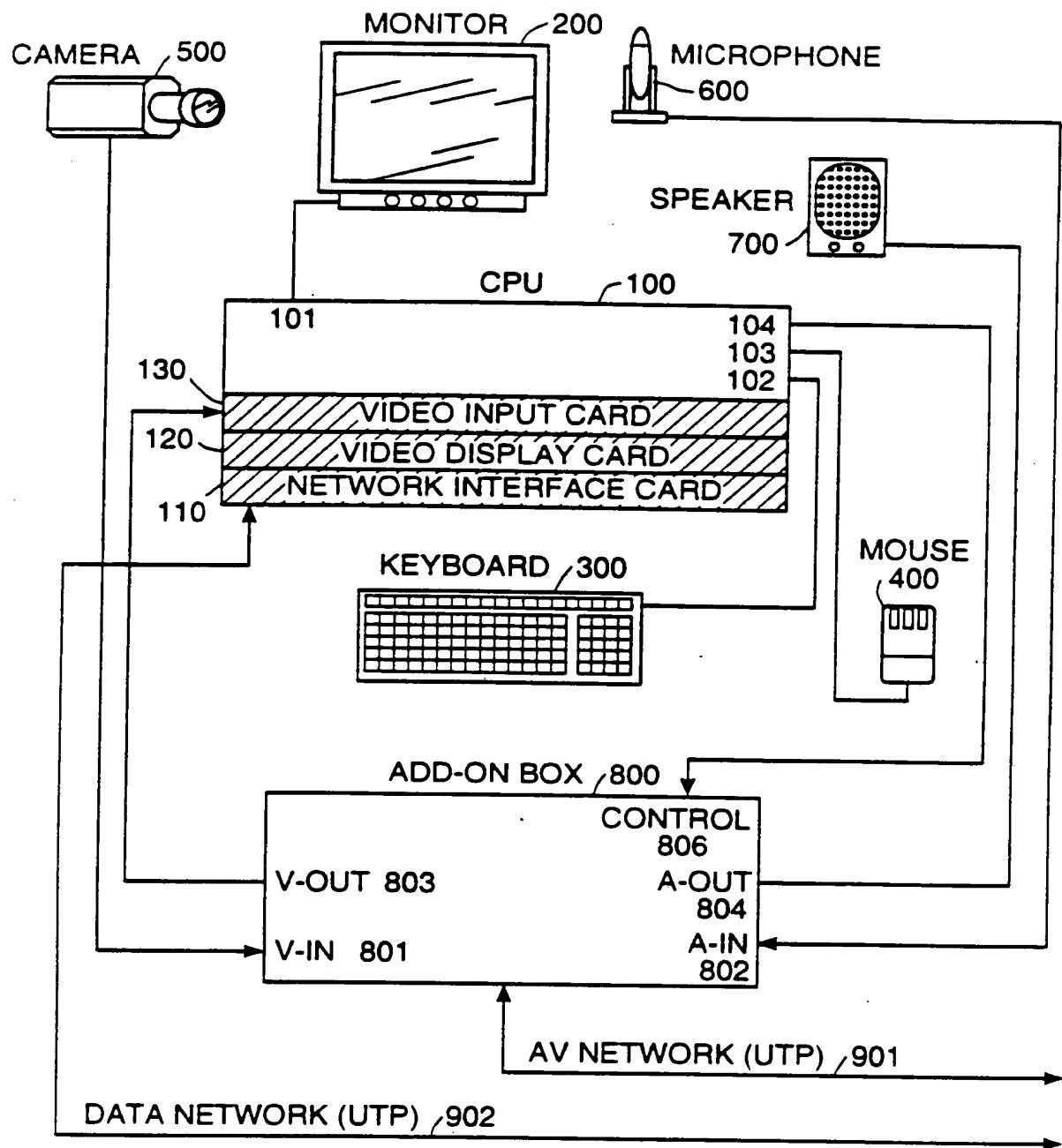
A = 0 UNIT DELAY  
 B = 1 UNIT DELAY  
 C = 2 UNITS DELAY  
 D = 3 UNITS DELAY

B = 0 UNIT DELAY  
 A,C = 1 UNIT DELAY  
 D = 2 UNIT DELAY

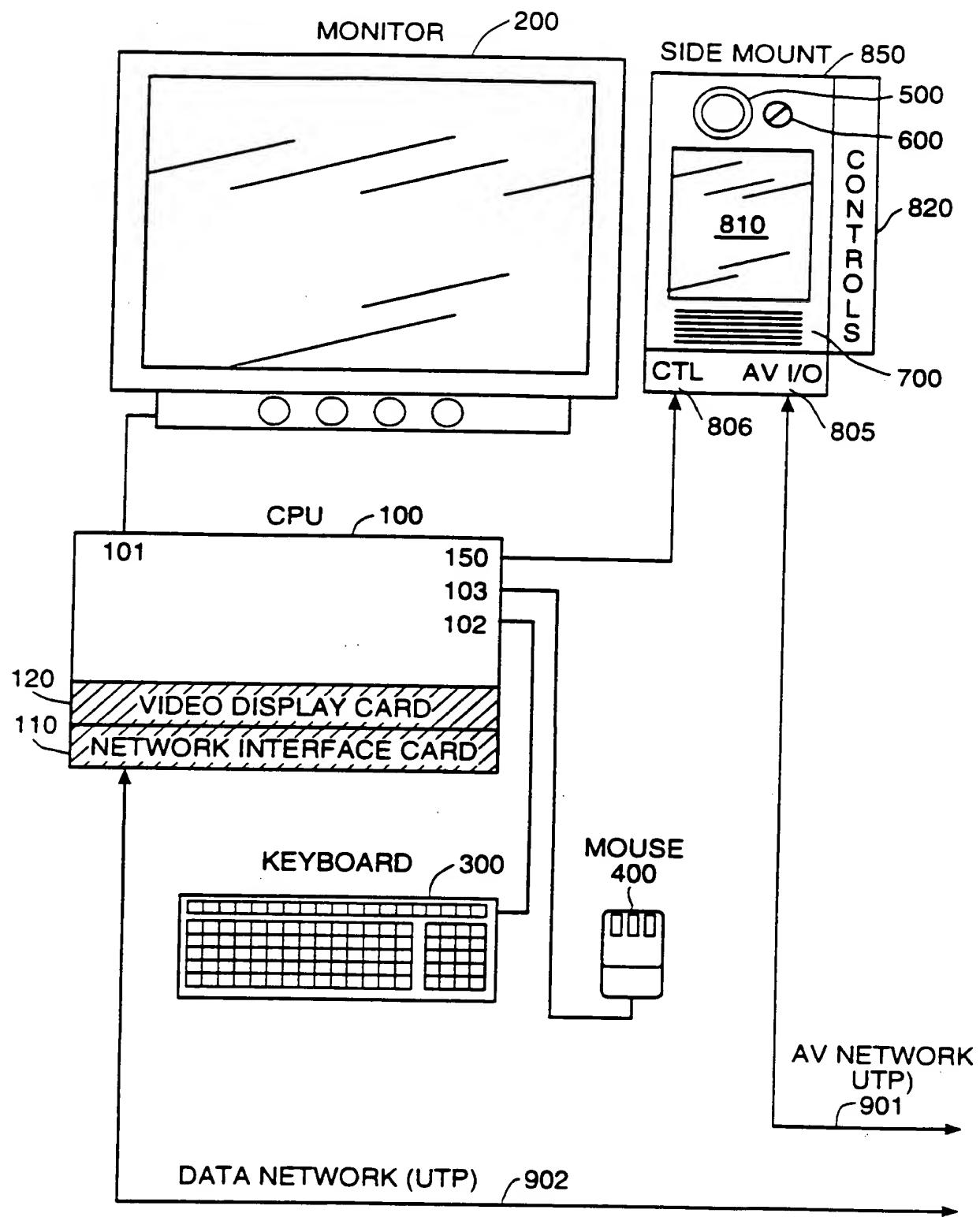
C = 0 UNIT DELAY  
 B,D = 1 UNIT DELAY  
 A = 2 UNITS DELAY



*FIGURE 17B*



*FIGURE 18A*



*FIGURE 18B*

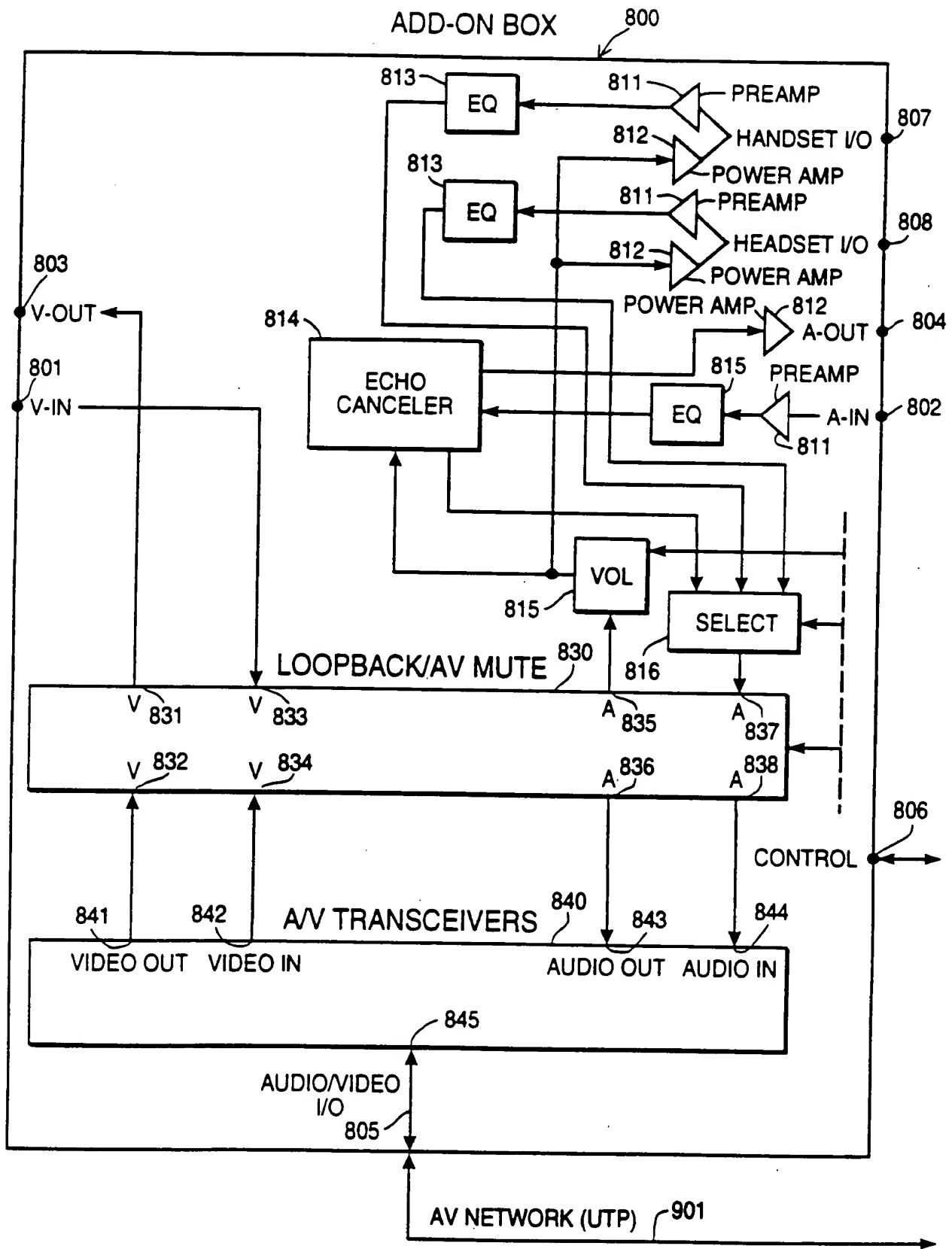
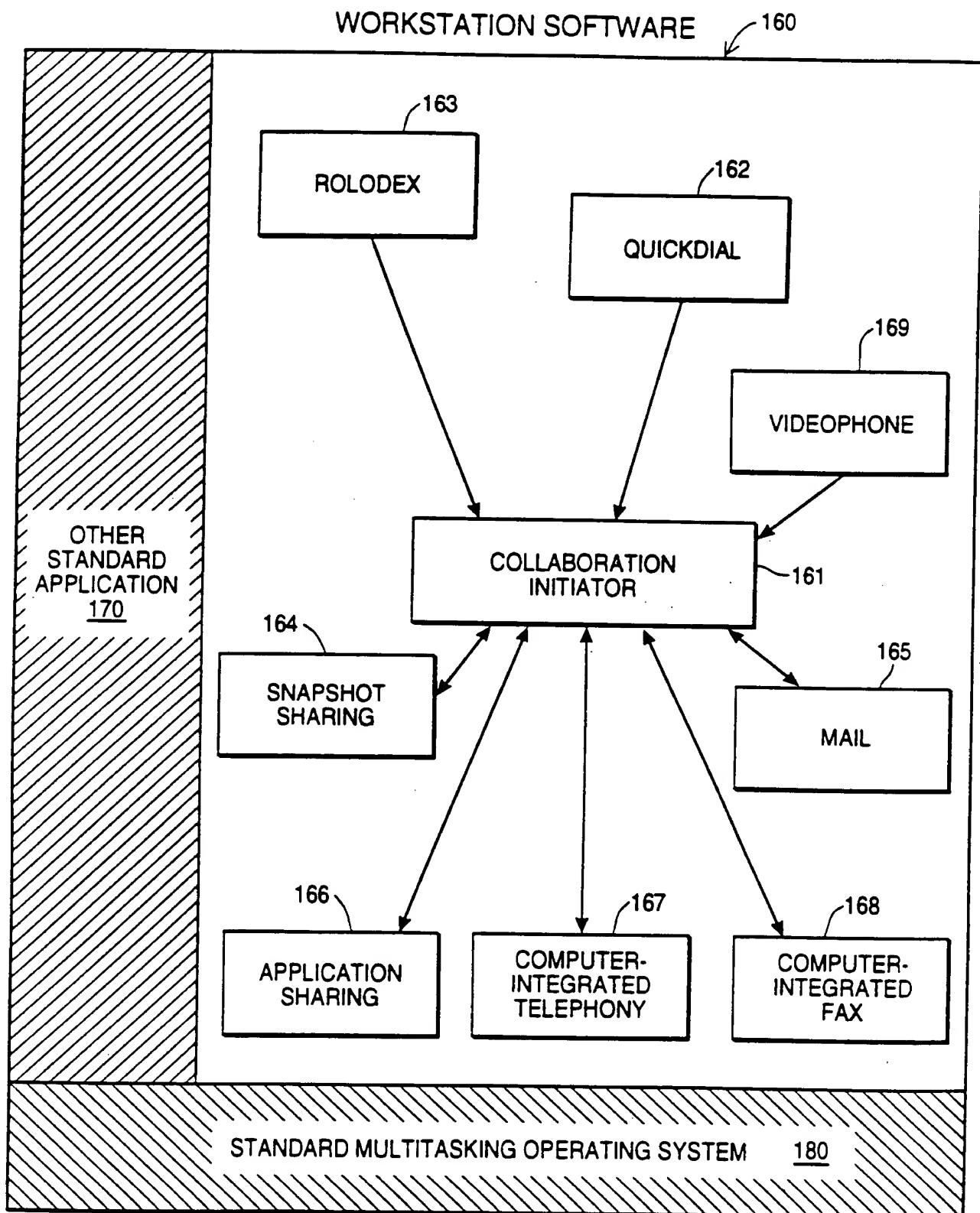
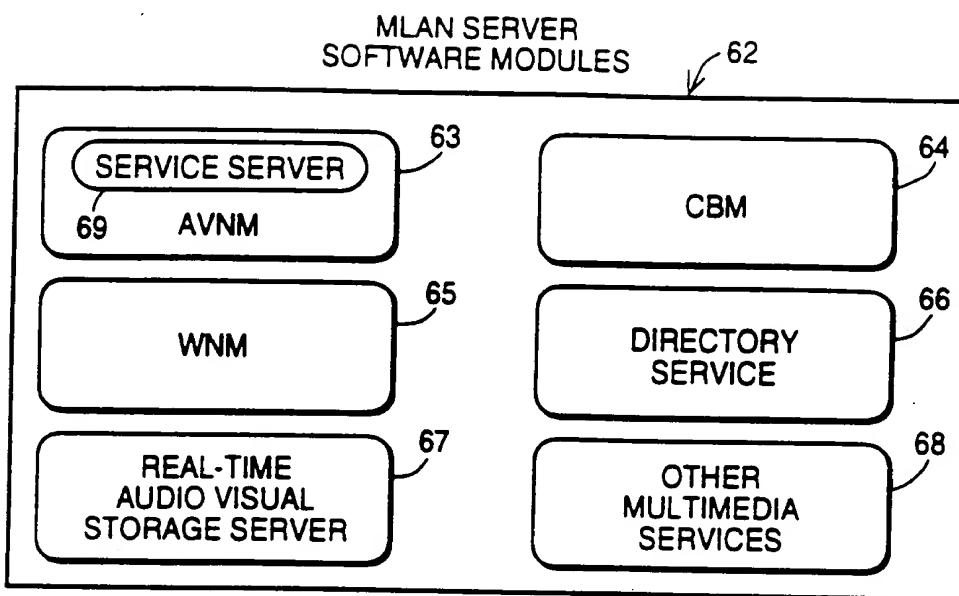


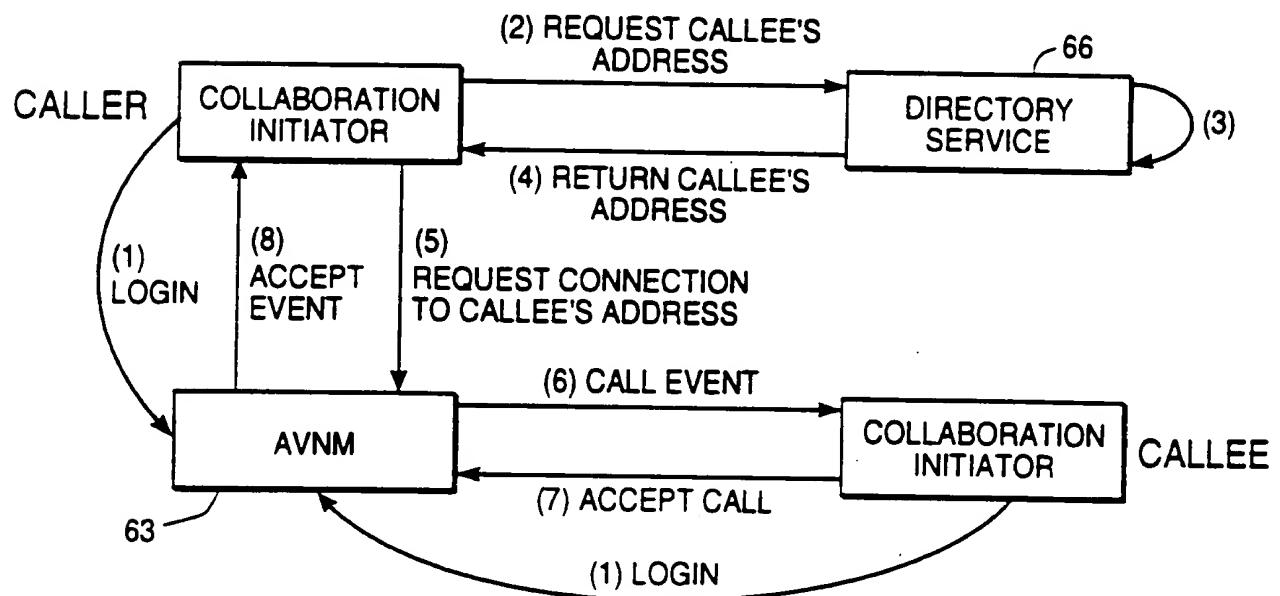
FIGURE 19



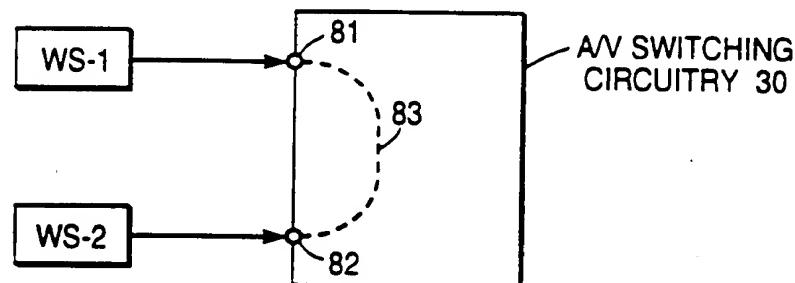
*FIGURE 20*



*FIGURE 21*



*FIGURE 23*



*FIGURE 24*

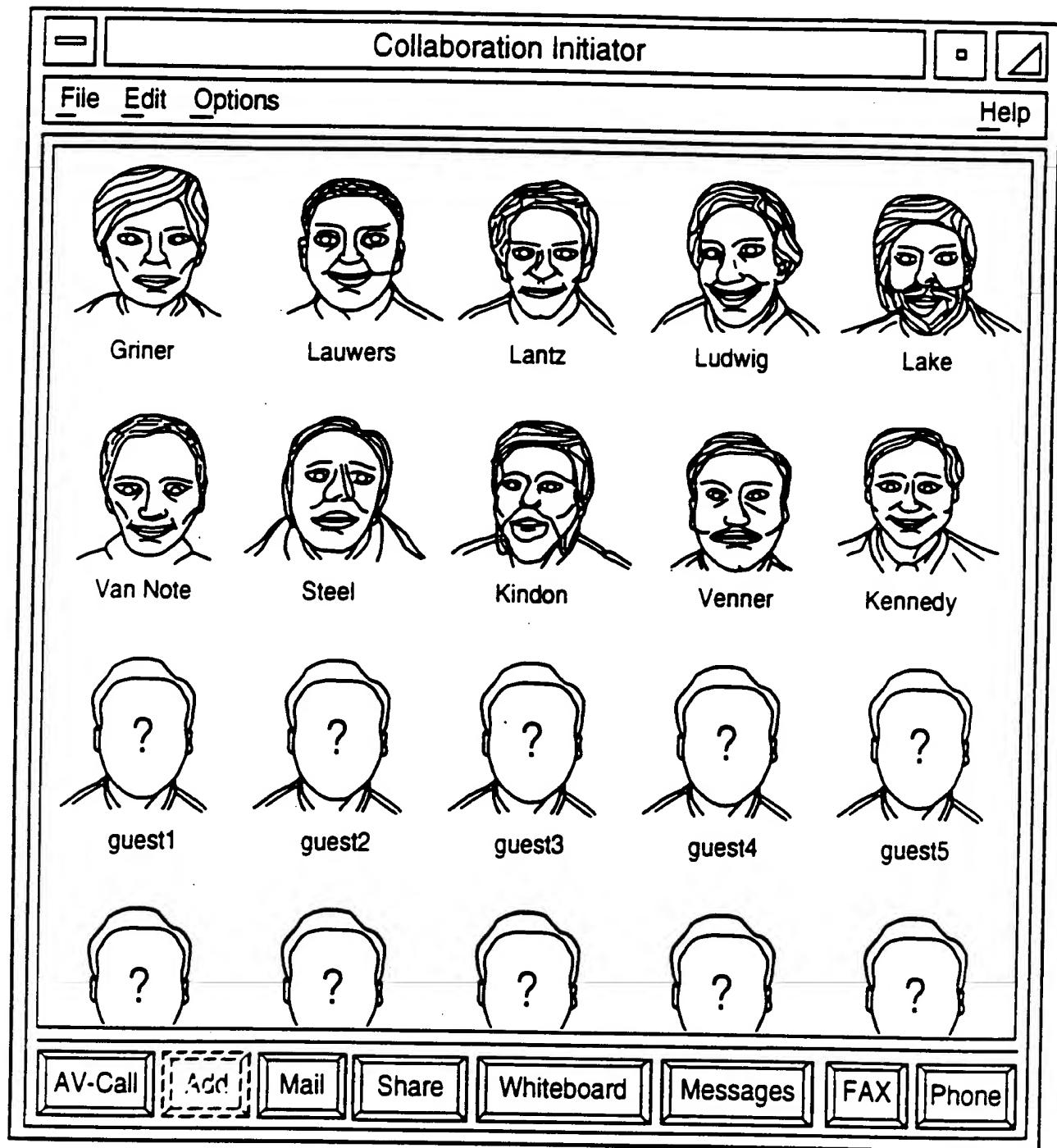
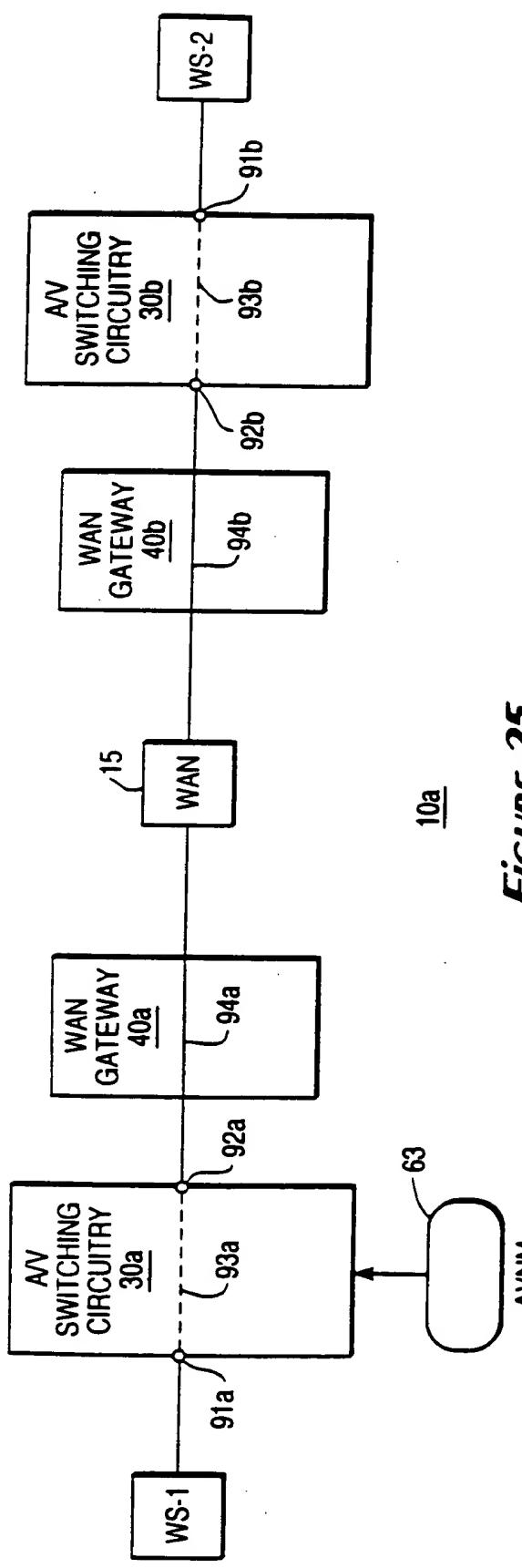
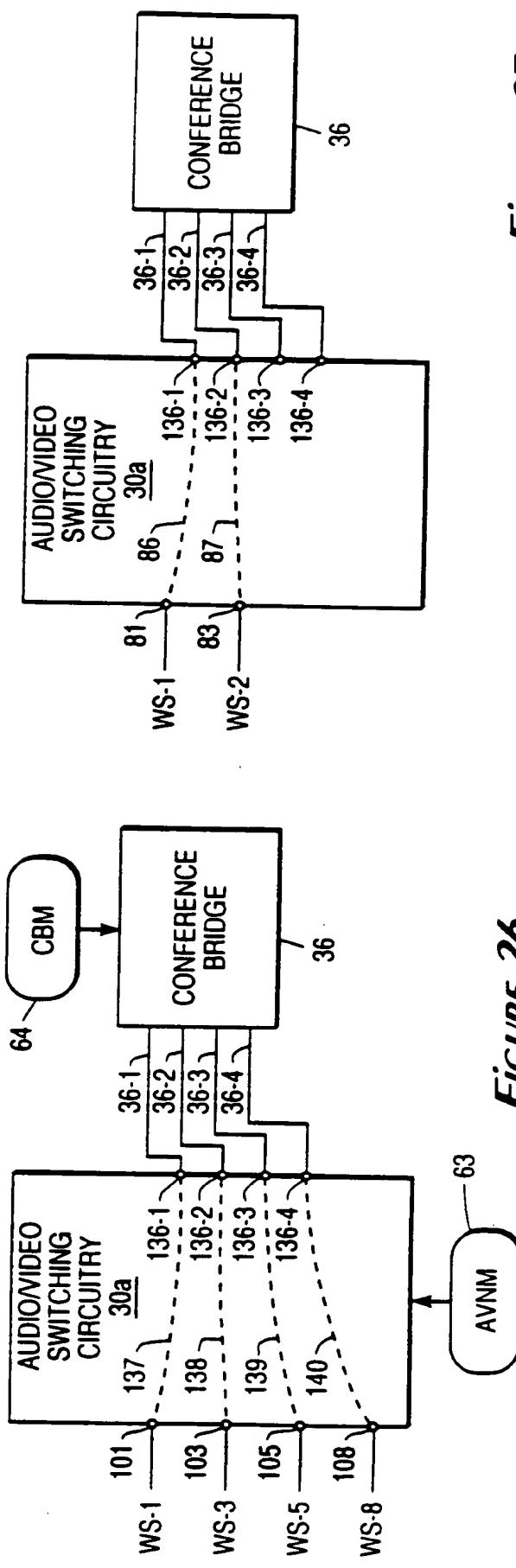


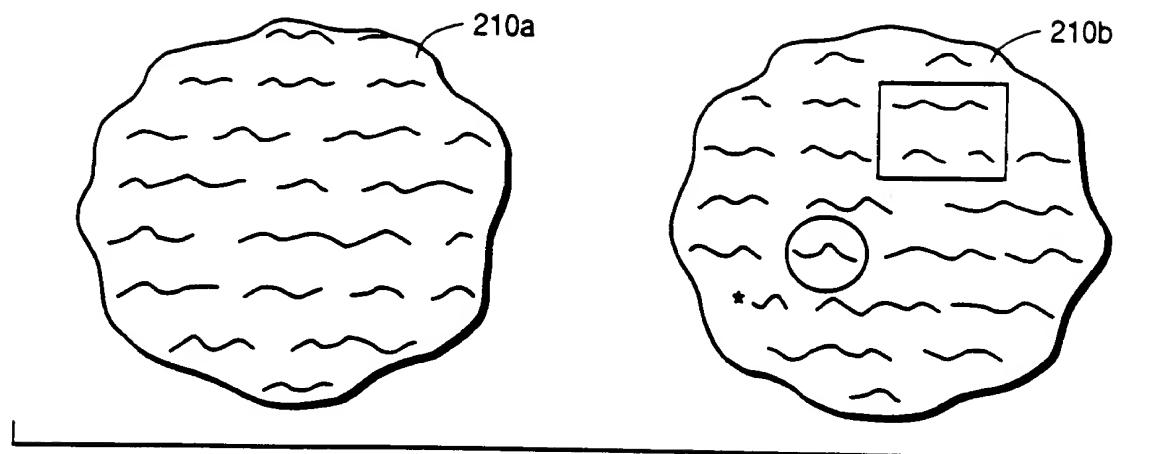
FIGURE 22



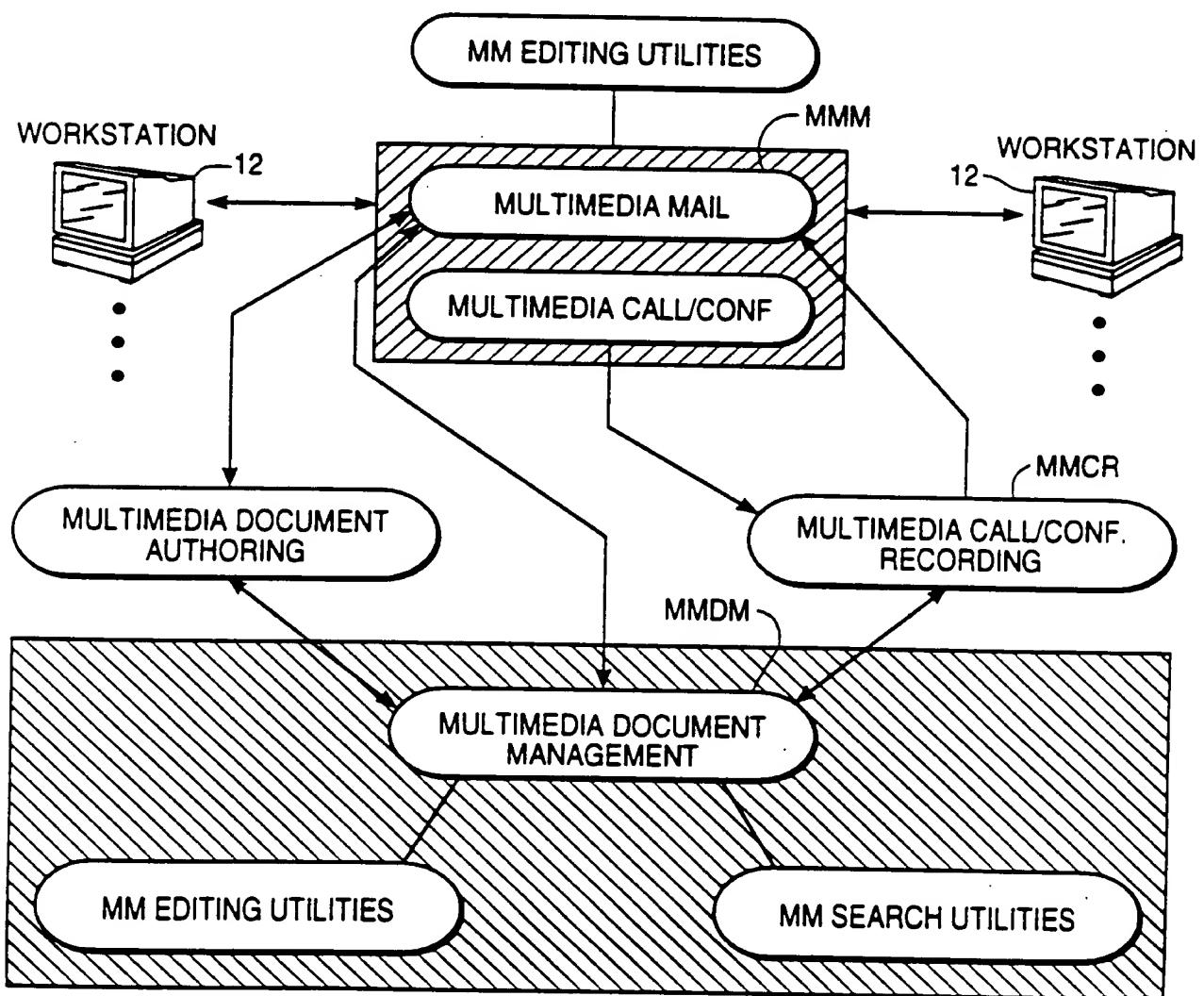
*Figure 25*



*Figure 26* and *Figure 27* show the results of the simulation of the effect of the variation of the parameters of the model on the evolution of the system.



**FIGURE 28**



**FIGURE 29**

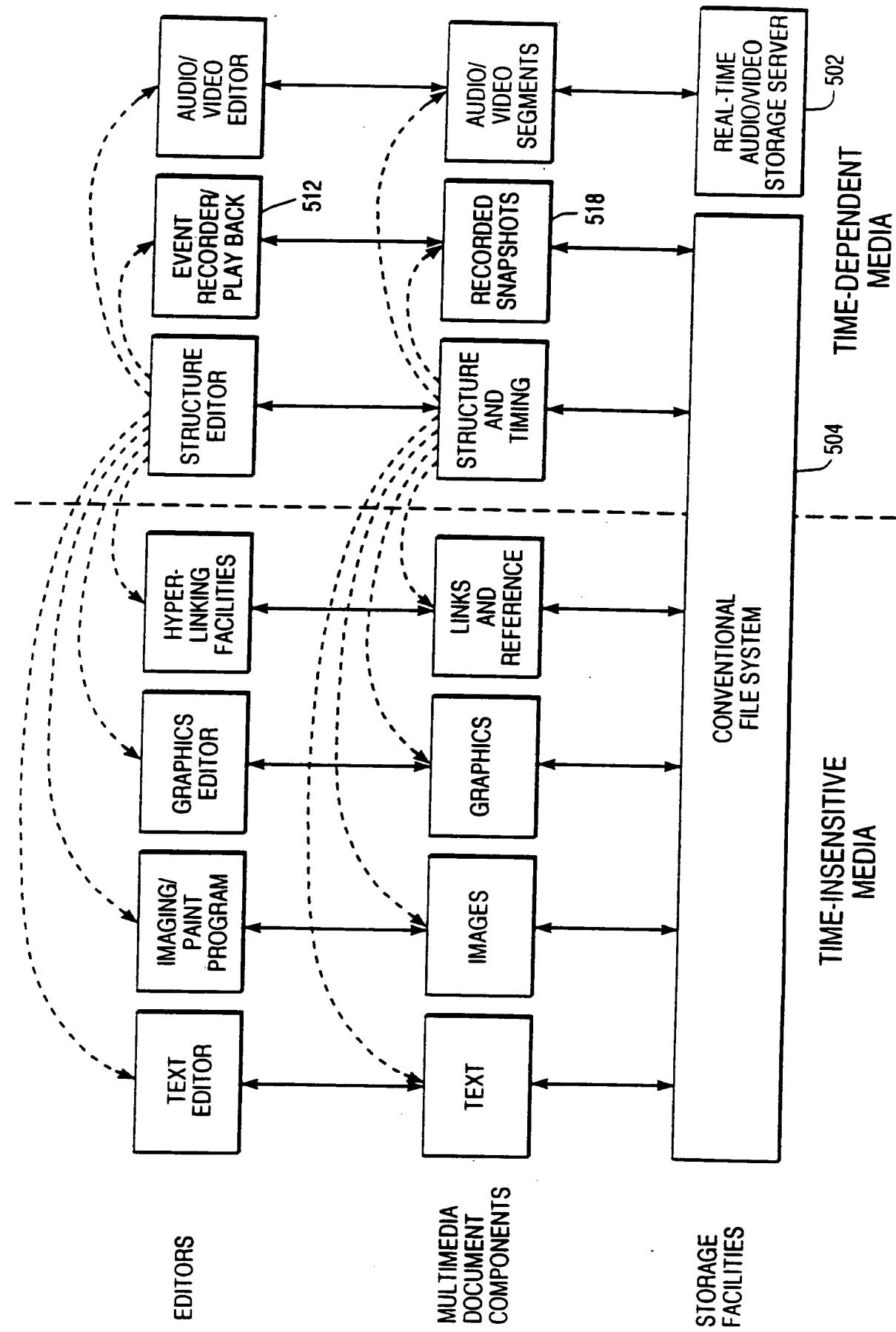
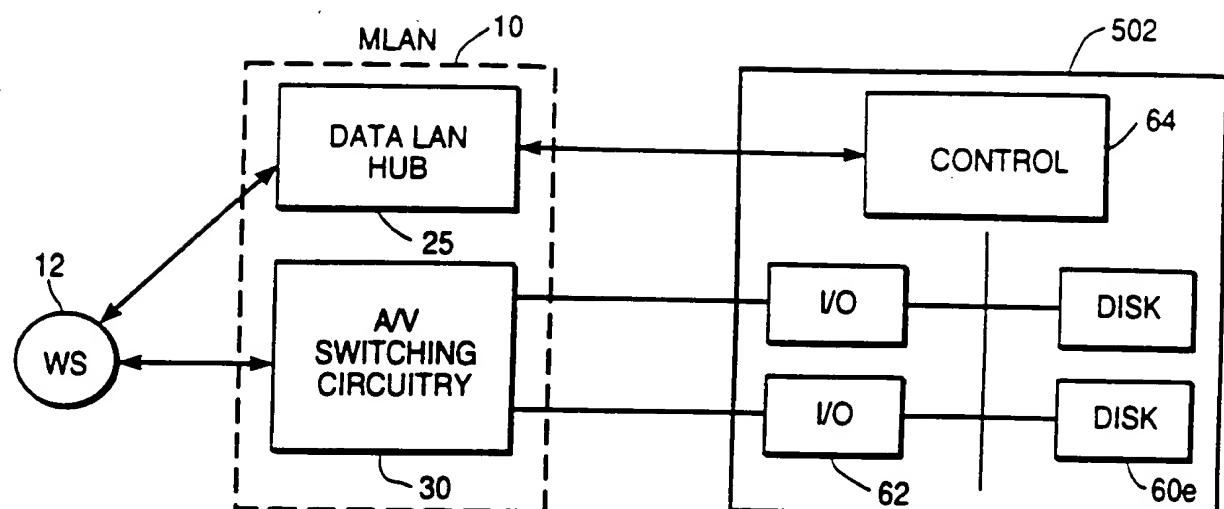
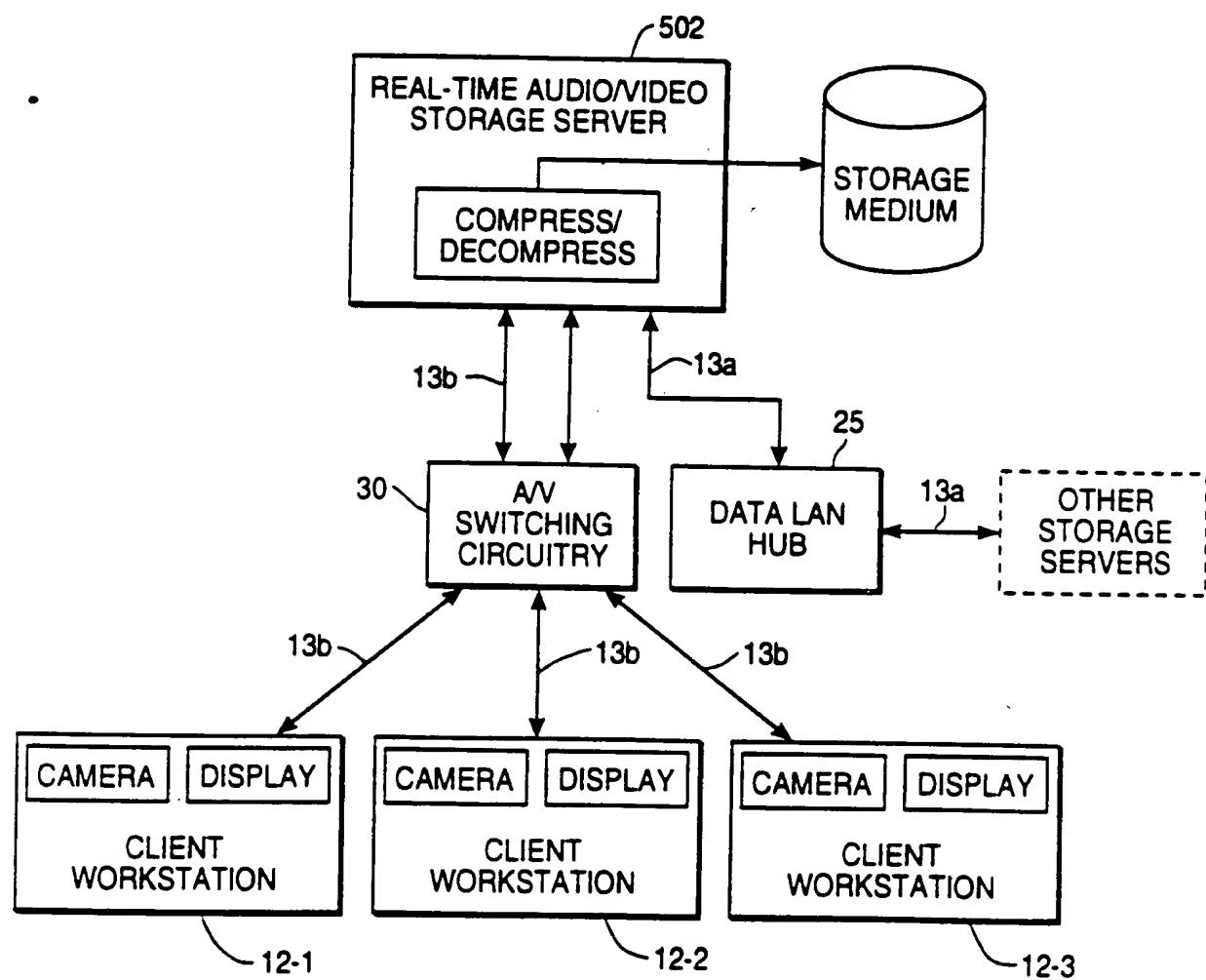


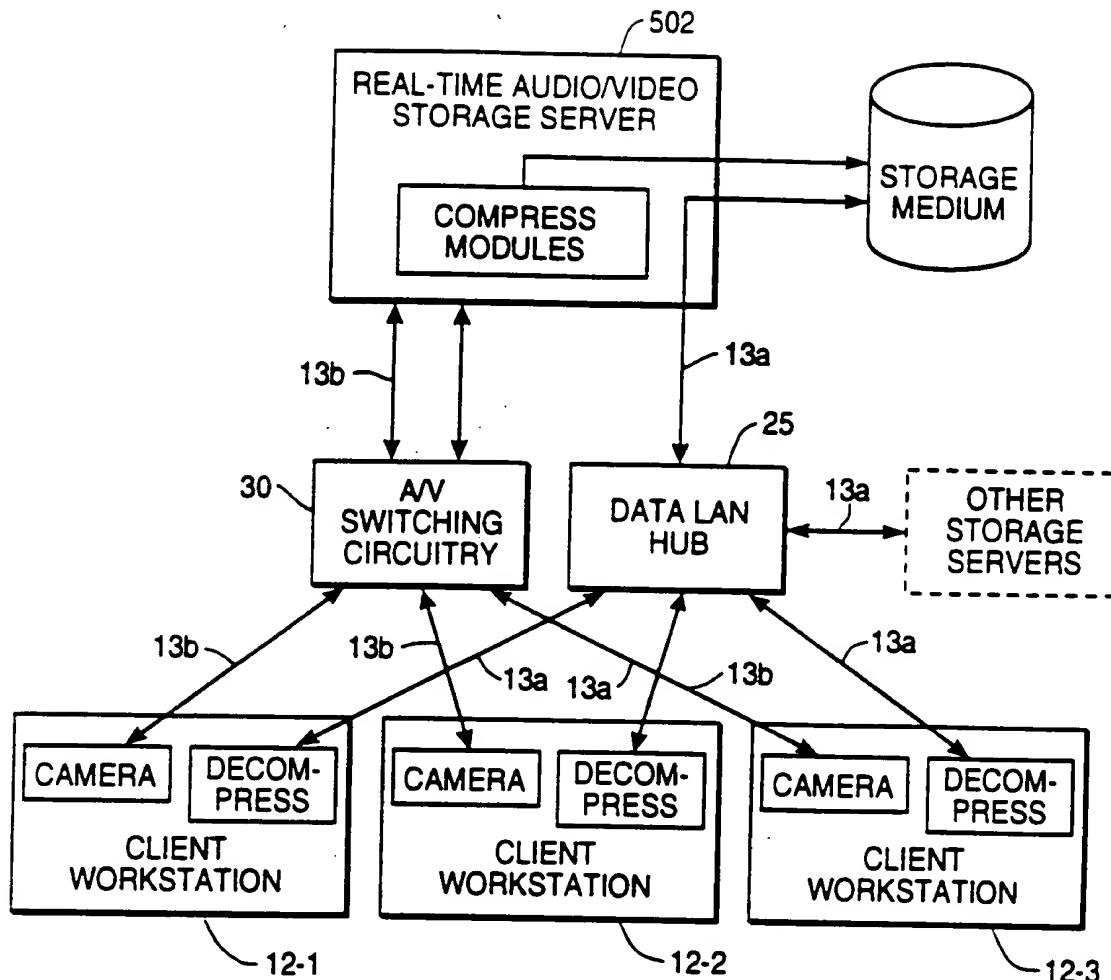
Figure 30



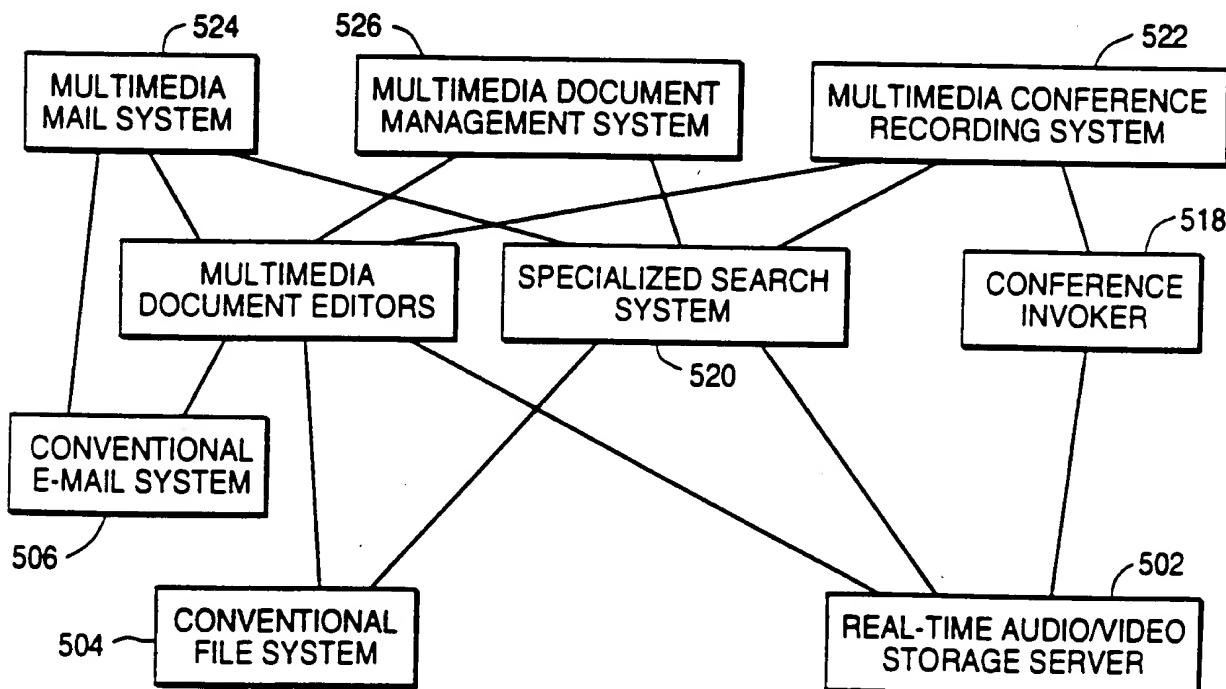
### FIGURE 31A



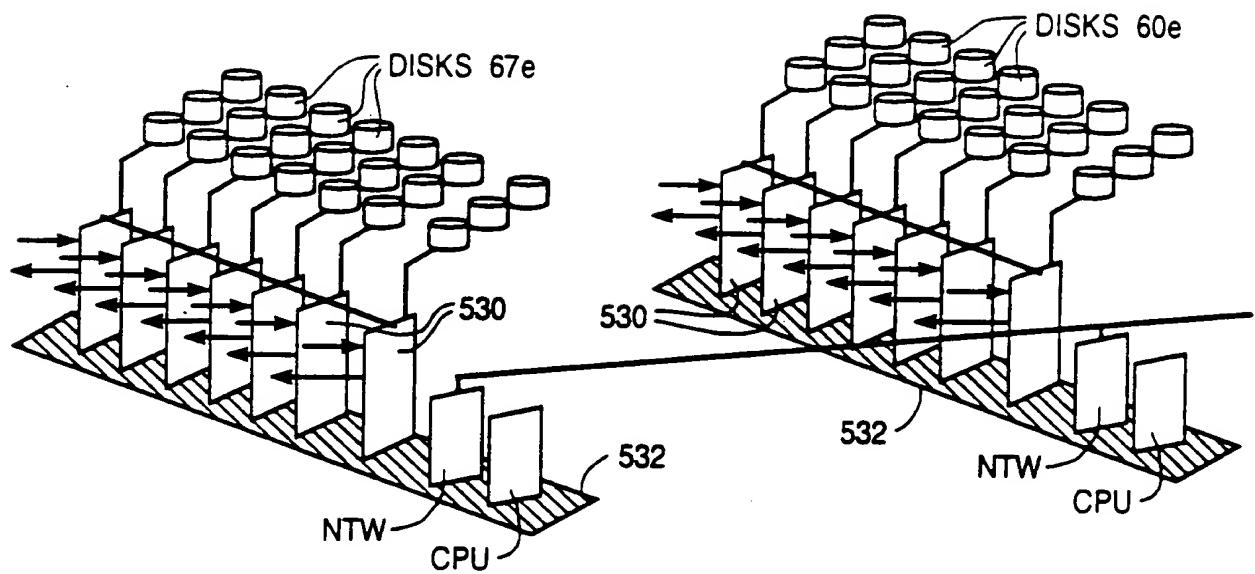
## FIGURE 31B



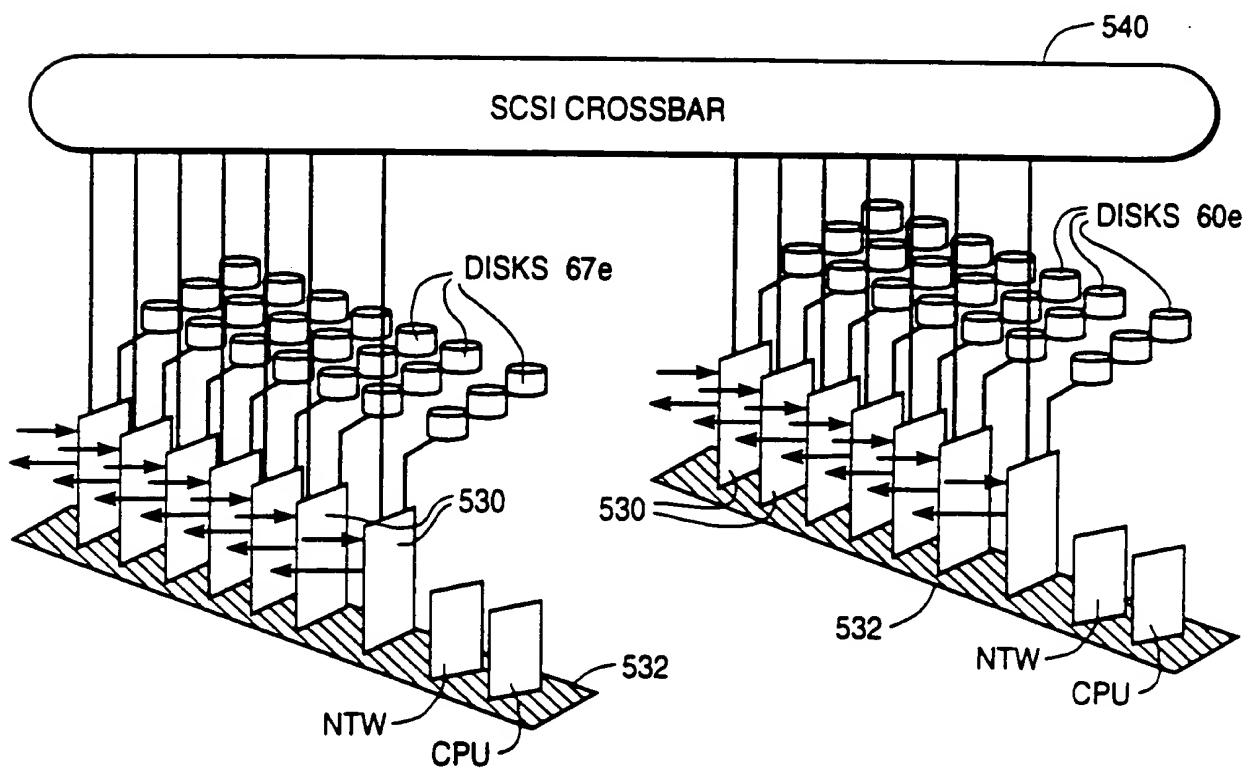
*FIGURE 31C*



*FIGURE 31D*



### FIGURE 32



### FIGURE 33

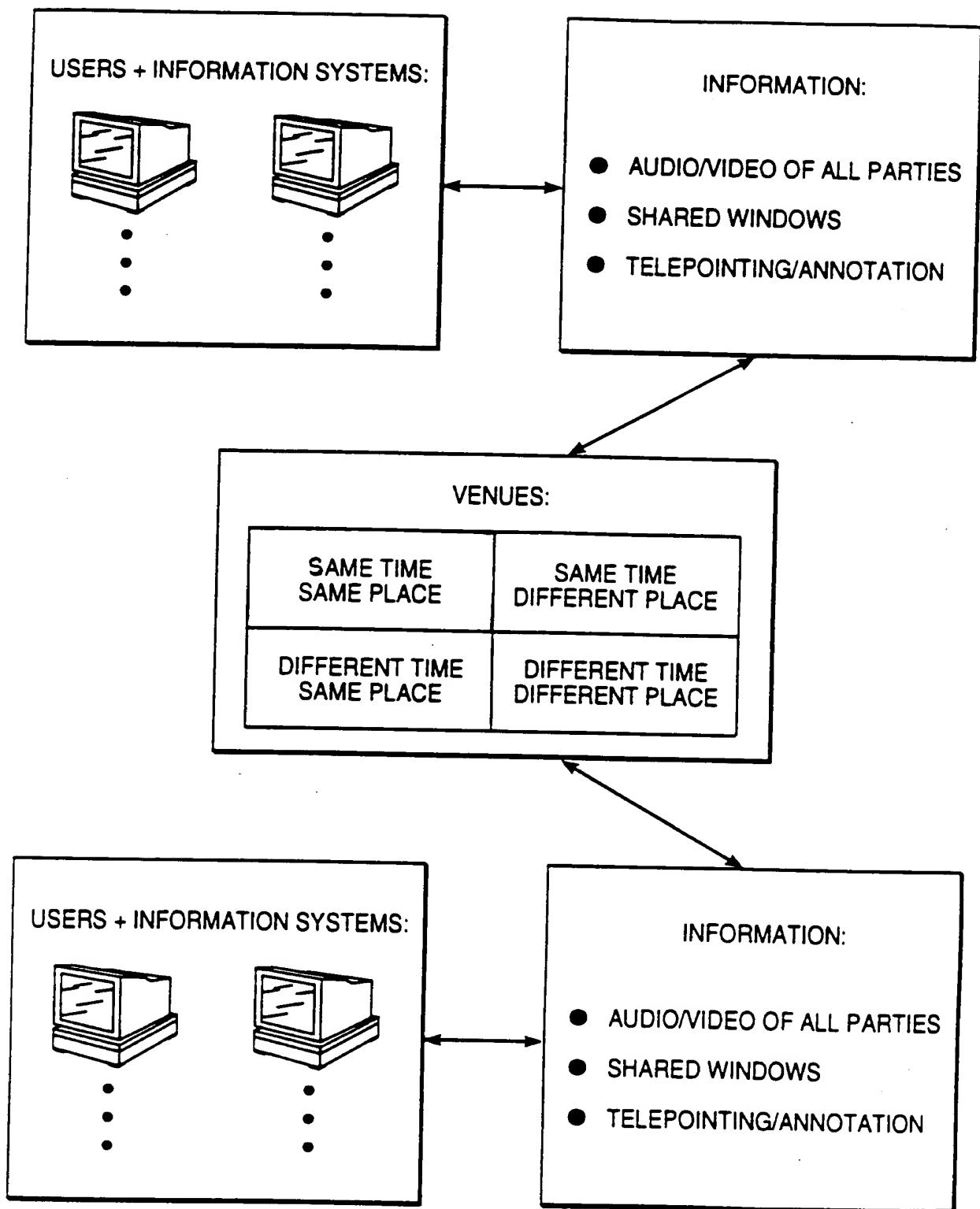


FIGURE 34

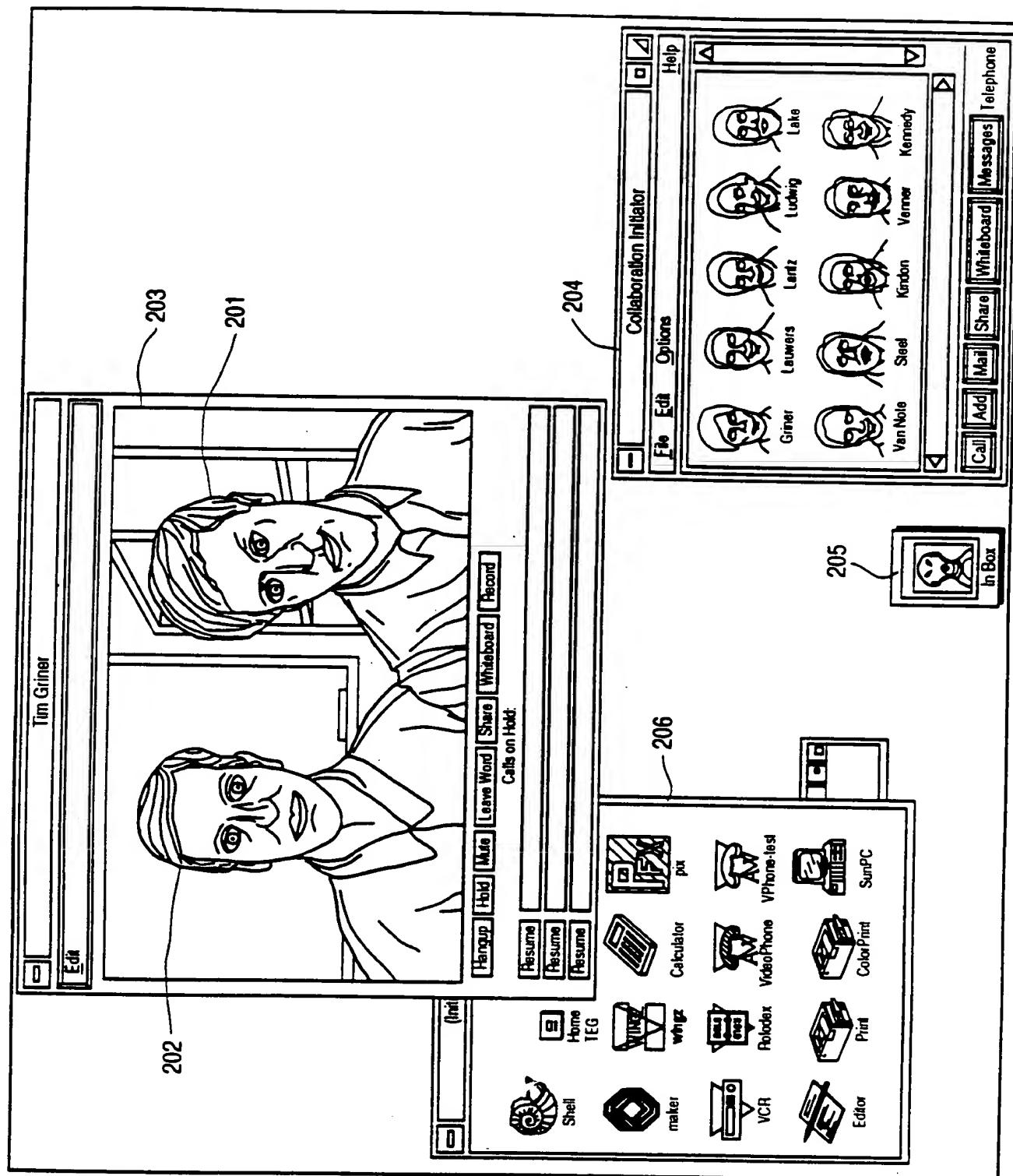


Figure 35

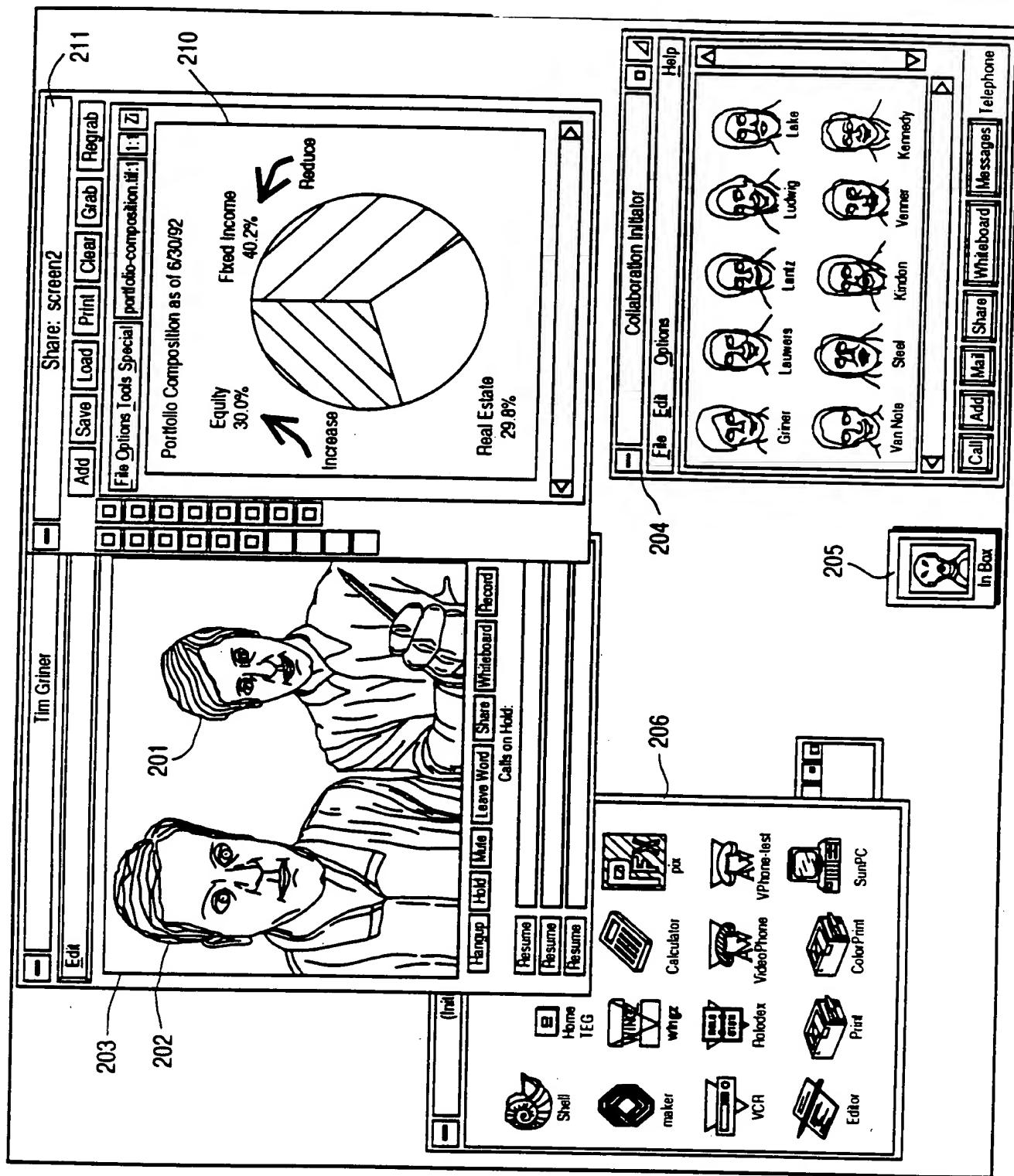


Figure 36

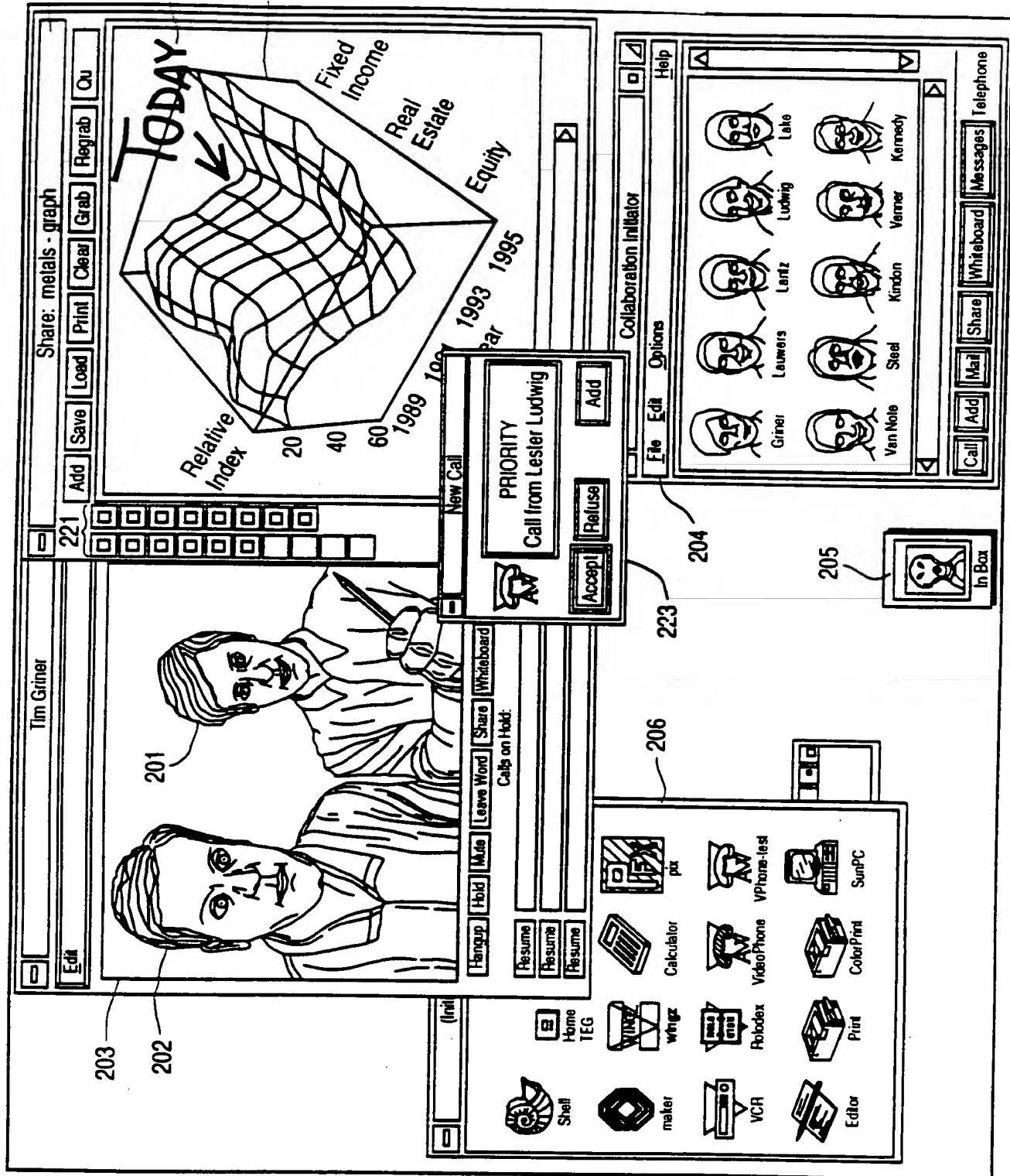


Figure 37

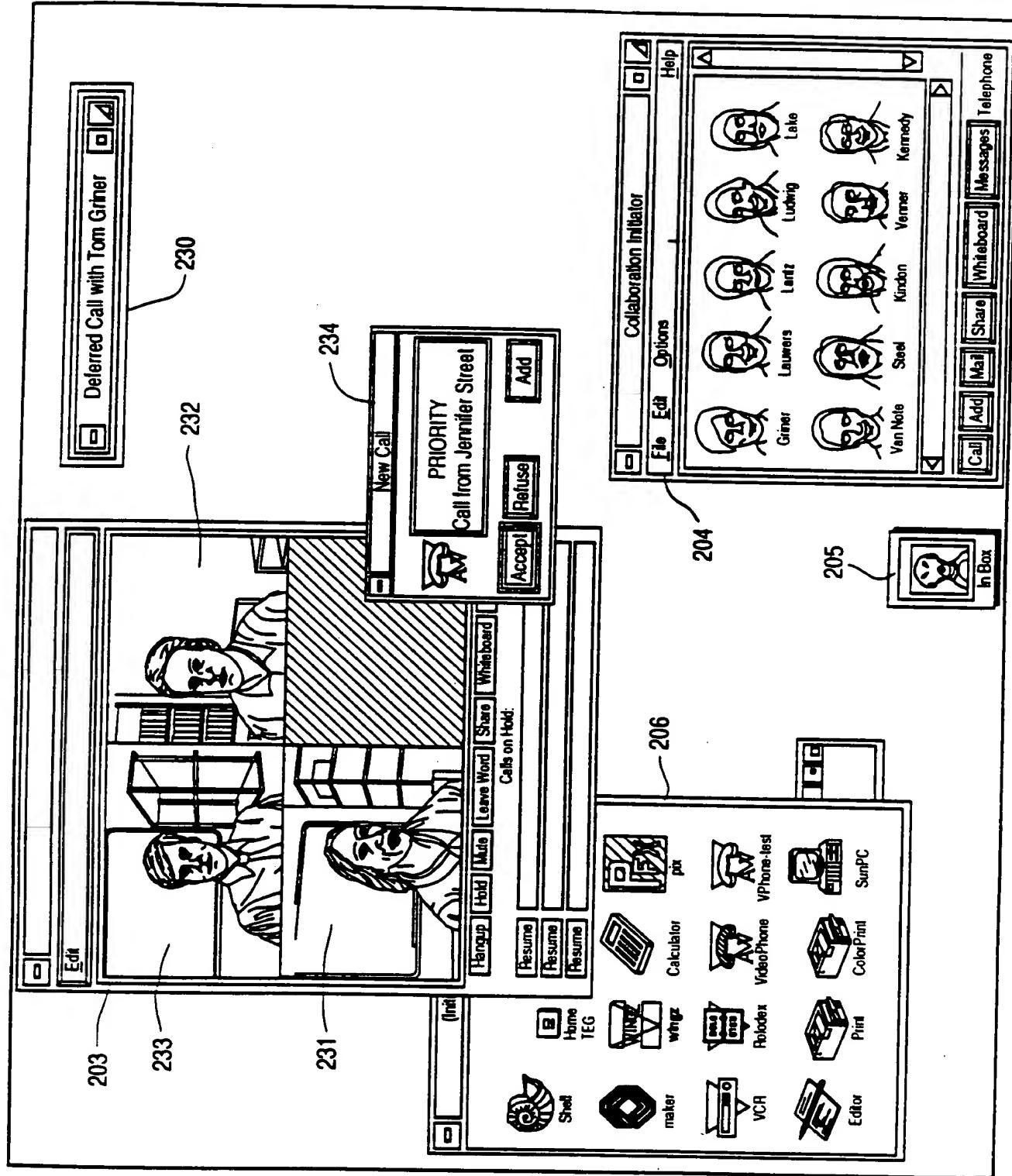


Figure 38

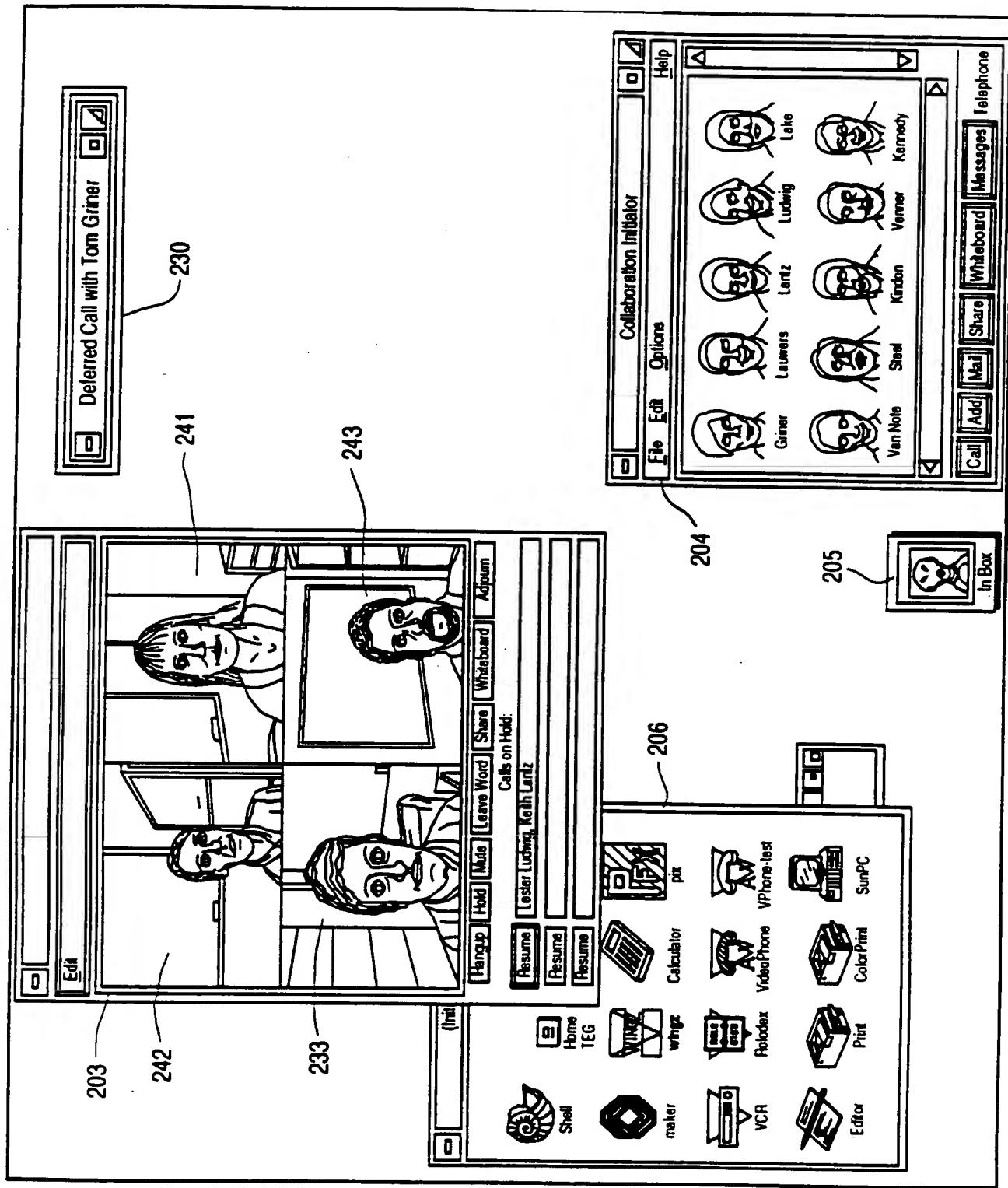


Figure 39

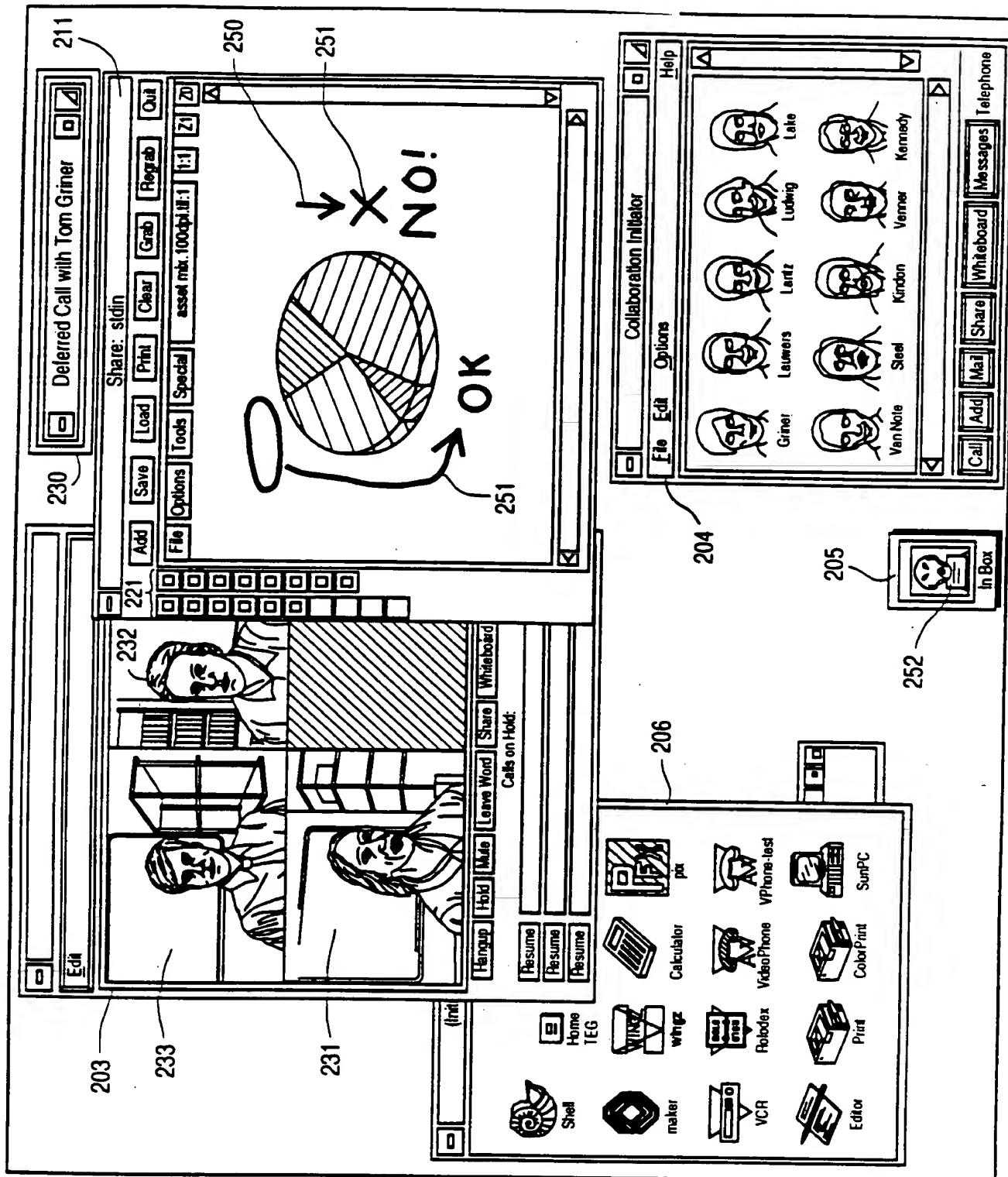


Figure 40

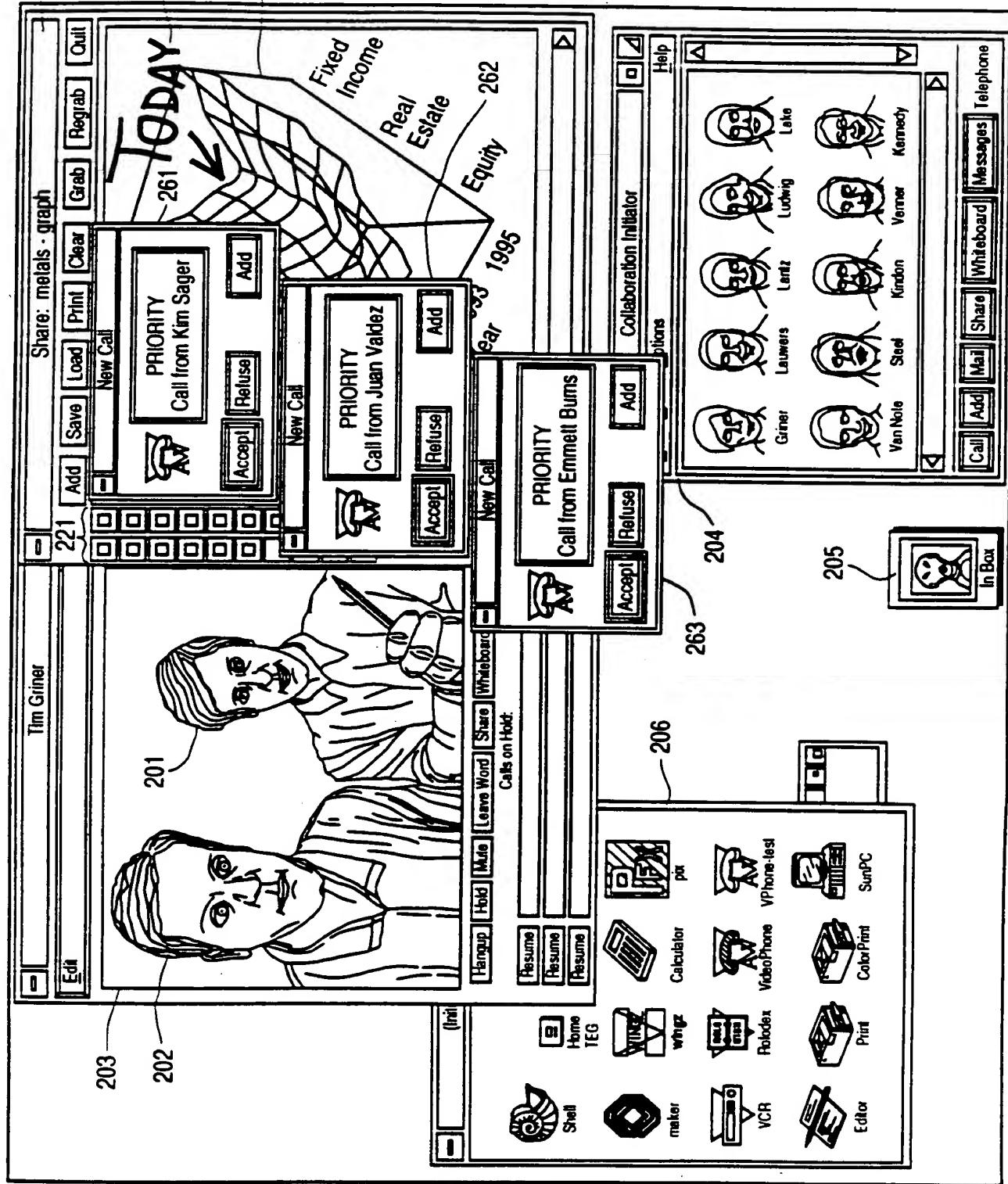


Figure 41

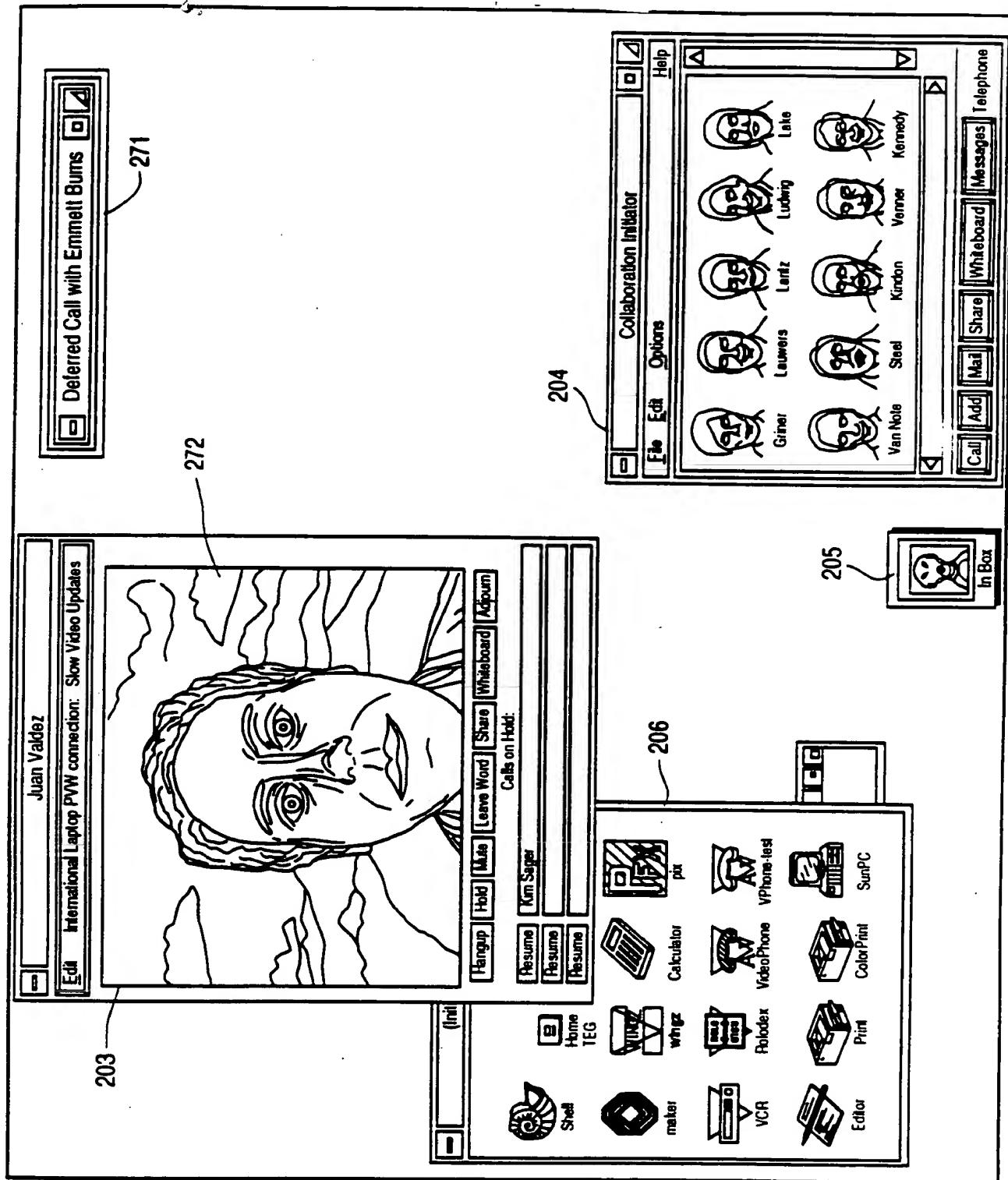


Figure 42